# NATIONAL Plumbino & Heatino Supply Company

CHICAGO



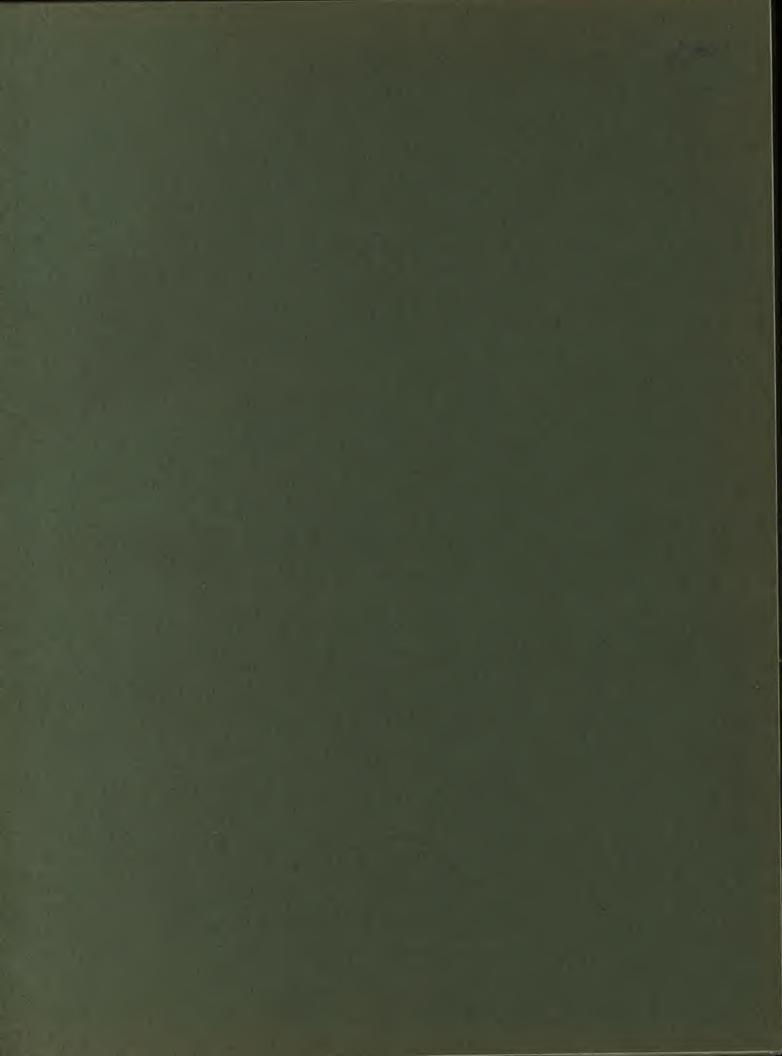
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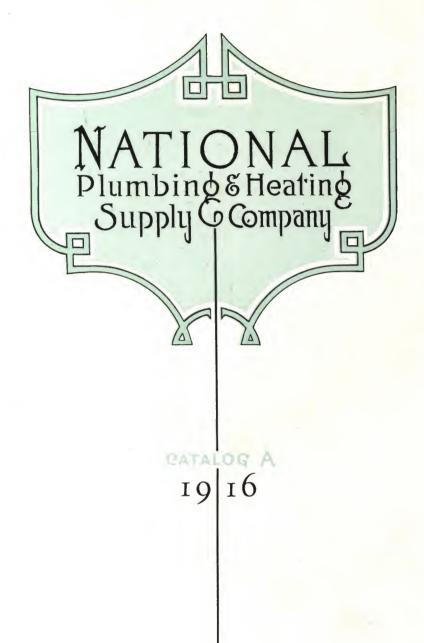
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6028 - 44 STATE ST. CHICAGO



# FOREWORD

N compiling our *Catalog* "A," we have endeavored to illustrate therein our complete lines of Sanitary, Fixtures and Modern House Heating and Vacuum Cleaning appliances.

In addition to these will be found full and varied lines of staple goods and specialties entering into the construction of present day plumbing, heating and vacuum cleaning systems; also a well selected line of tools with which to install them.

By careful study of this catalog, a selection can be made that will give complete satisfaction and comfort to the home in the way of sanitary plumbing, economical heating and labor saving cleaning devices.

Our policy has always been to create a demand for higher quality of materials, fixtures and workmanship; our future efforts will be to keep the plumbing business on as high and efficient a plane as possible, and to make the name "NATIONAL" stand for "High Quality," "Prompt Service" and "Just" and "Equitable" dealing.

With this thought in view, we have endeavored in this catalog to illustrate a line of fixtures and appliances of true worth, guaranteeing them to be of equal value to the prices asked.



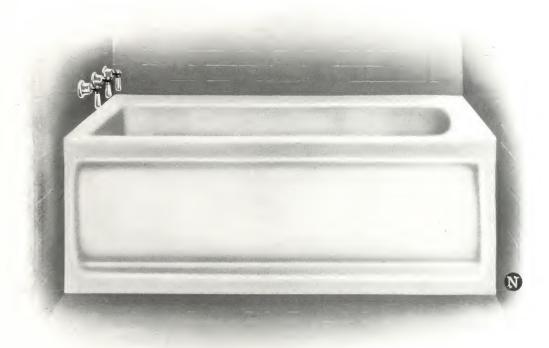


Plate A-4

### THE "RIDGEWAY"

Solid Porcelain Bath on Base to Tile into Recess with Left Hand Outlet, glazed over all exposed surface. The "Ridgeway" Bath is light weight porcelain and does not require extra bracing of walls and floor. These tubs can be furnished with outlet at either left or right hand end (be careful to specify when ordering); fitted with A-625 Supply and Waste Fixture with Quick Compression Valves and China Lever Handles and China Escutcheons.

Note: Valves measure three inches from the center to face of wall and may be re-washered from face of wall. The handles are adjustable; as the washer wears thin, the handle can be re-set at proper position. No supply pipes furnished.

DIMENSI	ONS		
Length outside	5 ft.		
Width outside			
Height over all1			
Depth inside1	7 inches	17 inches	17 inches
Bath, complete, as described Class "A"	\$110.00	\$121.00	\$135.00
Bath, complete, as describedClass "B"	95.00	100.00	105.00
Bath only, less fittingsClass "A"	85.00	96.00	110.00
Bath only, less fittingsClass "B"	70.00	75.00	80.00



Plate A-5

### THE "RIDGEWAY"

Solid Porcelain Bath on Base to Tile in Right Hand Corner with Right Hand Outlet, glazed over all exposed surface. The "Ridgeway" Bath is light weight porcelain and does not require extra bracing of walls and floor. These tubs can be furnished for either right or left hand corners (be careful to specify for which corner wanted when ordering); fitted with A-625 Supply and Waste Fixture with Quick Compression Valves with China Lever Handles and China Escutcheons.

Note: Valves measure three inches from center to face of wall and may be re-washered from face of wall. The handles are adjustable; as the washer wears thin, the handle can be re-set at proper position. No supply pipes furnished.

DIMENSI	ONS		
Length outside.3Width outside.3Height over all.1Depth inside.1	0 inches	5½ ft. 30 inches 18½ inches 17 inches	30 inches
Bath, complete, as described. Class "A" Bath, complete, as described. Class "B" Bath only, less fittings Class "A" Bath only, less fittings Class "B"	\$110.00 95.00 85.00 70.00	\$121.00 100.00 96.00 75.00	\$135.00 105.00 110.00 80.00



Plate A-10

### THE "ILLINOIS"

The "Illinois" Porcelain Enameled Iron Flat Bottom Bath for Tiling in Right Hand Corner, with Right Hand End Outlet, and Porcelain Enameled Iron Integral Apron, with Graceful Lines; fitted with A-625 Supply and Waste Fixture, with Half Union Supply Connections for ¾-inch Iron Pipe Size Supply Pipes, Quick Compression Valves with China Lever Handles and China Escutcheons.

This tub is particularly desirable, as it measures only 17½ inches high from floor to top of rim, and can be furnished for either left hand corner with left hand outlet, or for either right or left hand corner with end outlet and fixtures in back wall.

		-		
	Width over rim	34	inches	
	Depth inside at outlet	17	inches	
	Width of rim	$4\frac{1}{2}$	inches	
	Floor to top of rim	$17\frac{1}{2}$	inches	
	Tiles in wall	$1\frac{1}{2}$	inches	
Nominal sizes	S		. 5 ft.	5½ ft.
Length over	rim		. 62½ in.	68½ in.
Bath, complet	e, as described		. \$98.00	\$103.80
Bath only, les	s fittings		. 80.00	85.80



Plate A-12

### THE "ILLINOIS"

The "Illinois" Porcelain Enameled Iron Flat Bottom Recess Bath Tub with Porcelain Enameled Iron Integral Apron with Graceful Lines; for Tiling 1½ inches into Walls on Rear and Ends, and ½-inch into Floor; Fitted with A-625 Supply and Waste Fixture with Quick Compression Valves with China Lever Handles and China Escutcheons, and with Half Union Supply Connections for ¾-inch Iron Pipe.

This tub can be furnished with outlet at either left hand end or right hand end, and with fixture through the end walls or back wall as desired.

Le	ngth over rim	34	inches	
$D\epsilon$	pth inside at outlet	17	inches	
W	idth of rim	$4\frac{1}{2}$	inches	
Fl	por to top of rim	$17\frac{1}{2}$	inches	
Nominal sizes			. 5 ft.	5½ ft.
Length over rim			. 62½ in.	68½ in.
Bath, complete, as o	lescribed		. \$90.00	\$95.00
Bath only, less fitting	ngs		72.00	77.00



Plate A-15

Porcelain Enameled Iron Flat Bottom Universal Wall Bath Tub with Slope End; for Tiling 1½ inches into Wall on Rear; with Porcelain Enameled Iron Front and End Plates, for Tiling ½-inch into Floor; fitted with A-625 "Wallever" Supply and Waste Fixture having Concealed Compression Supply Valves with China Indexed Lever Handles and China Escutcheons.

This tub is made in two heights, respectively:  $21\frac{1}{2}$  inches from floor to top of rim, and  $17\frac{1}{2}$  inches from floor to top of rim.

Other dimensions are as follows:

Width over rim	301/2	inches
Depth inside at outlet	17	inches
Width of rim	$3\frac{1}{2}$	inches

Nominal sizes 4	1/2 ft.	5 ft.	51/2 ft	6 ft.
Length over rim	6½ in.	62½ in	681/4 in	74.1/2 in
Bath, complete, as described\$			\$76.20	
Bath only, less fittings	53.20	56.25	60.20	64.90



Plate A-17

Porcelain Enameled Iron Flat Bottom Universal Right Hand Corner Bath Tub with Slope End, for Tiling 1½ inches into Walls on Rear and Right Hand End; with Porcelain Enameled Iron Front and Left Hand End Plates, for Tiling ½-inch into Floor; fitted with A-637 or A-638 Combination Supply and Waste Fixture with China Handles on Valves and Waste Knobs and with Half Union Supply Connections for ½-inch Iron Pipe.

This tub can also be furnished for left hand corner.

When ordering, be careful to specify for which corner wanted.

This tub is made in two heights, respectively:  $21\frac{1}{2}$  inches and  $17\frac{1}{2}$  inches from floor to top of rim.

Other dimensions are:

Width over rim	$30\frac{1}{2}$	inches
Depth inside at outlet	17	inches
Width of rim	$3\frac{1}{2}$	inches

Nominal sizes 4	¹/₂ ft.	5 ft.	5½ ft.	6 ft.
Length over rim	i√2 in.	62½ in.	68¼ in.	74½ in.
Bath, complete, as described\$6	61.65	\$65.75	\$68.70	\$73.40
Bath only, less fittings	47.65	51.75	54.70	59.40



Plate A-19

Porcelain Enameled Iron Flat Bottom Universal Right Hand Corner Bath Tub with Slope End, for Tiling 1½ inches into Walls on Rear and Right Hand End; with Porcelain Enameled Iron Front and Left Hand End Plates, for Tiling ½-inch into Floor; fitted with A-625 Supply and Waste Fixture, with China Indexed Lever Handles and China Escutcheons and Half Union Supply Connections for ¾-inch Iron Pipe.

This tub can be furnished for either right or left hand corner as required. When ordering, be careful to specify for which corner wanted.

This tub is made in two heights, respectively:  $21\frac{1}{2}$  inches and  $17\frac{1}{2}$  inches from floor to top of rim.

Other dimensions as follows:

Width over rim Depth inside at outlet Width of rim	30½ inches 17 inches 3½ inches	3	
Nominal sizes. $4\frac{1}{2}$ ft.Length over rim. $56\frac{1}{2}$ in.Bath, complete, as described.\$63.65Bath only, less fittings. $47.65$	5 ft. 62½ in. \$67.75 51.75	5½ ft. 68¼ in. \$70.70 54.70	6 ft. 74½ in. \$75.40

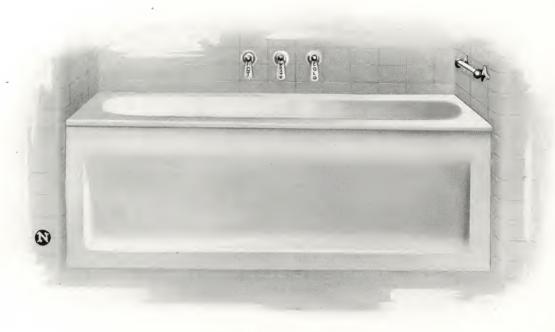


Plate A-20

Porcelain Enameled Iron Flat Bottom Universal Recess Bath Tub with Slope End, for Tiling 1½ inches into Walls on Rear and Ends; with Porcelain Enameled Iron Front Plate, for Tiling ½-inch into Floor; fitted with A-625 Supply and Waste Fixture with China Indexed Lever Handles on Supply Valves and with China Escutcheons and Half Union Supply Connections for ¾-inch Iron Pipe.

Fixtures can be furnished at either right or left hand end or back wall as desired.

This tub can be furnished in two heights, respectively:  $21\frac{1}{2}$  inches and  $17\frac{1}{2}$  inches from floor to top of rim.

Other dimensions are as follows:

DIMENSIONS	]	D	Ι	M	E	N	S	T	0	N	S
------------	---	---	---	---	---	---	---	---	---	---	---

Width over rim Depth inside at outlet Width of rim	$30\frac{1}{2}$ inches $17$ inches $3\frac{1}{2}$ inches	3	
Nominal sizes. $4\frac{1}{2}$ ft.Length over rim. $56\frac{1}{2}$ in.Bath, complete, as described.\$58.20Bath only, less fittings. $42.20$	5 ft. 62½ in. \$61.30 45.30	5½ ft. 68¼ in. \$65.25 49.25	6 ft. 74½ in. \$70.00

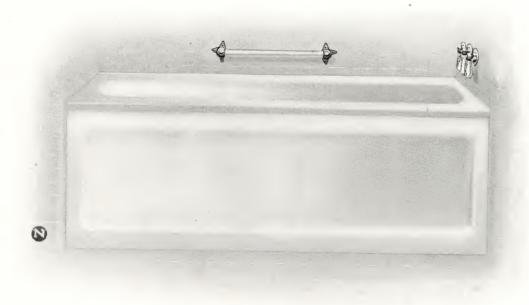


Plate A-22

Porcelain Enameled Iron Flat Bottom Universal Recess Bath Tub with Slope End for Tiling 1½ inches into Walls on Rear and Ends, with Porcelain Enameled Iron Front Plate for Tiling ½-inch into Floor; fitted with A-625 Supply and Waste Fixture with China Indexed Lever Handles on Supply Valves and with China Escutcheons and Half Union Supply Connections for ¾-inch Iron Pipe.

Fixtures can be furnished at either right or left hand end or back wall as desired.

This tub can be furnished in two heights, respectively:  $21\frac{1}{2}$  inches and  $17\frac{1}{2}$  inches from floor to top of rim.

Other dimensions are as follows:

$30\frac{1}{2}$ inches		
17 inches		
$3\frac{1}{2}$ inches		
5 ft. 5	5½ ft.	6 ft.
	/ -	74½ in.
	, ,	\$70.00
45.30	49.25	54.00
	17 inches 3½ inches 5 ft. 5 62½ in. 6 \$61.30 \$	17 inches 3½ inches 5 ft. 5½ ft. 62½ in. 68¼ in. 5 \$61.30 \$65.25



Plate A-24

Porcelain Enameled Iron Flat Bottom Universal Right Hand Corner Bath Tub with Slope End for Tiling 11/2 inches into Walls on Rear and Right Hand End, with Porcelain Enameled Iron Front and Left Hand End Plates for Tiling ½-inch into Floor; fitted with A-625 Supply and Waste Fixture, with China Indexed Lever Handles and China Escutcheons and Half Union Supply Connections for 3/4-inch Iron Pipe.

This tub can be furnished for either right or left hand corner as required.

When ordering, be careful to specify for which corner wanted.

This tub is made in two heights, respectively: 211/2 inches and 171/2 inches from floor to top of rim.

DIMENSIONS

Other dimensions as follows:

Bath only, less fittings..... 47.65

Width over rim	30½ inches	3	
Depth inside at outlet	17 inches	3	
Width of rim	3½ inches	3	
Nominal sizes. $4\frac{1}{2}$ ft. Length over rim. $56\frac{1}{2}$ in.	5 ft. 62½ in.	, .	6 ft. 74½ in.
Bath, complete, as described \$63.65	\$67.75	\$70.70	\$75.40

51.75

54.70

59.40



Plate A-26

### THE "MARLBORO"

The "Marlboro" One-Piece Porcelain Enameled Iron Flat Bottom Bath Tub made to Tile ½-inch into Floor and Walls; fitted with Combination Supply and Waste Fixture with Four Arm China Handles on Supply Valves and China Knob on Waste and Special Connections to go beneath floor.

This tub can be furnished for either right or left hand corner. When ordering, be careful to specify corner wanted.

Width over rim	29	inches
Depth inside at outlet	17	inches
Floor to top of rim	$17\frac{1}{2}$	inches
Width of rim	3	inches

Nominal sizes	4½ ft.	5 ft.	5½ ft.
Length over rim	54½ in.	60½ in.	66½ in.
Bath, complete, as described, enameled all over	\$51.90	\$53.75	\$55.65
Bath only, less fittings, enameled all over	36.90	38.75	40.65
Bath, complete, as described, painted exterior	42.50	43.75	47.00
Bath only, less fittings, painted exterior	27.50	28.75	32.00



Plate A-27

### THE "MARLBORO"

The "Marlboro" One-Piece Porcelain Enameled Iron Flat Bottom Bath Tub for Tiling ½ inch into Floor and Walls; fitted with A-625 "Wallever" Combination Bath Fixture with China Indexed Handles and China Escutcheons.

This tub can be furnished for either left hand or right hand corner, as desired. When ordering, be careful to state for which corner wanted.

	_				
	Width over rim Depth inside at outlet Floor to top of rim Width of rim	$   \begin{array}{r}     29 \\     17 \\     17 \frac{1}{2} \\     3   \end{array} $	inches inches inches inches		
Bath, complete, as Bath only, less fitti Bath complete, as	described, with enameled exterion described, with enameled exterion described, with painted exterions.	xterior	54½ in\$52.90 . 36.90	5 ft. 60½ in. \$54.75 38.75 44.75	5½ ft. 66½ in. \$56.65 40.65 48.00
Bath only, less fitti	ngs, with painted exterior		. 27.50	28 75	32.00



Plate A-28

### THE "MARLBORO"

The "Marlboro" One-Piece Porcelain Enameled Iron Flat Bottom Recess Bath Tub for Tiling ½-inch into Floor and Walls; fitted with A-625 "Wallever" Bath Fixture with China Indexed Lever Handles and China Escutcheons.

Width over rim	29	inches
Depth inside at outlet	17	inches
Floor to top of rim	$17\frac{1}{2}$	inches
Width of rim	3	inches

Nominal sizes	4½ ft.	5 ft.	5½ ft.
Length over rim	53½ in.		/
Bath, complete, as described, with enameled exterior		\$53.50	\$56.65
Bath only, less fittings, with enameled exterior	35.65	37.50	40.65
Bath, complete, as described, with painted exterior	43.50	44.75	47.90
Bath only, less fittings, with painted exterior	27.50	28.75	31.90



### Plate A-29

### THE "VENDOME"

The "Vendome" Porcelain Enameled Iron Flat Bottom Bath Tub for Tiling in Left Hand Corner with Left Hand End Outlet and Porcelain Enameled Iron Integral Apron, with Graceful Lines; fitted with A-625 Supply and Waste Fixture with Half Union Supply Connections for ¾-inch Iron Pipe, Quick Compression Valves with China Lever Handles and China Escutcheons.

This bath is particularly desirable, as it measures only 171/2 inches high

from floor to top of rim.

Can also be furnished for right hand corner with right hand outlet, or with fixtures in center at side wall and outlet at right or left hand end as desired.

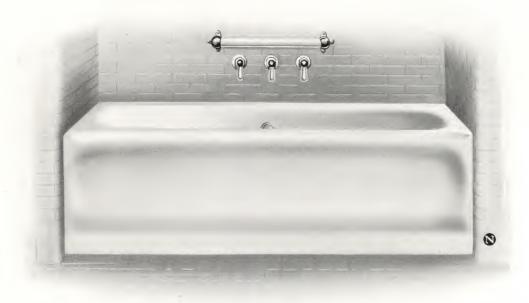
Width over rim		inch	-
Width of rim		inch	
		inche	
15 op en imbrac ar o ment		inch	
Floor to top of rim		inch	es
Tiles into walls	, 0	inch	
Tiles into floor	/ -	inch	
Nominal sizes $4\frac{1}{2}$ ft.			5½ ft.
Length over rim 54 in.			66 in.
Bath, complete, as described. \$66.00			\$76.00
Bath only 48.00	5%	00.9	58.00

DIMENSIONS

Plate A-30

Plate A-30 Bath Tub is the same tub as Plate A-29, except with fixture at exposed end. For tub furnished with this fixture deduct \$3.00 from the above prices.

Price of tub only...... Same as Plate A-29



### Plate A-31

### THE "VENDOME"

The "Vendome" Porcelain Enameled Iron Flat Bottom Recess Bath Tub with Porcelain Enameled Iron Integral Apron, with Graceful Lines, for Tiling ½-inch into Walls on Rear and Ends and ½-inch into Floor; fitted with A-625 Supply and Waste Fixture with Quick Compression Valves with China Lever Handles and China Escutcheons.

This tub can be furnished with outlet at either left hand end or right hand end and with fixture through the end walls or back wall as desired.



	2110	
Width over rim	30	inches
Width inside of rim		inches
Depth inside of rim	at	
outlet	17	inches
Floor to top of rim	$17\frac{1}{2}$	inches
Nominal		
sizes $\dots 4\frac{1}{2}$ ft.	5 ft.	5½ ft.
Bath, com-		,
plete, as de-		
scribed\$65.00	\$68.00	\$72.00
Bath only 47.00		



Plate A-32

### THE "CARPATHIA"

The "Carpathia" Porcelain Enameled Iron Flat Bottom Bath Tub on Base; fitted through the rim with A-636 Low Bell Supply and Waste Fixture, with Compression Valves which can be re-washered through the rim.

Width over rim	343/4	inches
Width of rim	$43/_{4}$	inches
Depth inside at outlet	$18\frac{1}{2}$	inches
Floor to top of rim	23	inches

Nominal sizes		5 ft. 63 in.	5½ ft. 69 in.	6 ft. 75 in.
Price of tub only, plain exterior		\$67.00	\$72.00	\$77.00
Price, complete, as described, with plain		,	7	φσ
exterior	79.00	84.00	89.00	94.00
Add for enameled base	4.50	5.00	5.50	6.00
Add for No. 1 zinc white finish\$15.00				
Add for No. 2 zinc white finish				
Add for A-630 Lever Handle Fix				

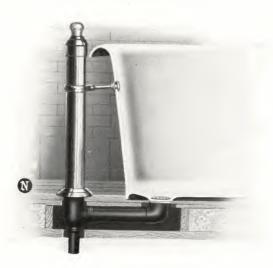


Plate A-33

### THE "THALIA"

The "Thalia" Porcelain Enameled Iron Flat Bottom Bath Tub with Integral Low Base, for Tiling ½-inch into Floor; fitted with A-654 China Handle Combination Fuller Bath Cock, A-658 Ball Offset Bath Supplies and Special Bi-Transit Waste, as shown at bottom of page.

Note: This tub can be set on floor instead of tiled into floor. Exterior finishes and decorations extra.



### DIMENSIONS

Width over rim 30 inches Floor to top of rim 17½ inches Width of rim 3 inches Nominal sizes... 5 ft. 5½ ft. Length over rim. 60¼ in. 66¼ in. Bath, complete, as described .... \$35.00 \$37.00



Plate A-34

### THE "THALIA"

The "Thalia" Porcelain Enameled Iron Flat Bottom Bath Tub with Integral Low Base, for Tiling ½-inch into Floor; fitted with Special Combination Supply and Waste Fixture.

Note: This tub can be set on floor instead of tiled into floor. Exterior finishes and decorations extra.

Width over rim	30	inches
Floor to top of rim	$17\frac{1}{2}$	inches
Width of rim	3	inches

Nominal sizes 5 ft.	5½ ft.
Length over rim	66¼ in.
Bath, complete, as described\$43.00	\$45.00



Plate A-36

### THE "LACONIA"

The "Laconia" Porcelain Enameled Iron Flat Bottom Bath Tub on Loose Base; fitted through End Rim with A-636 Combination Supply and Waste Fixture, with ½-inch Supply Pipes.

Bath always furnished with plain exterior unless otherwise ordered.

### DIMENSIONS

Width over rim	30	inches
Depth inside at outlet	173/8	inches
Width of rim		inches
Floor to top of rim		inches
Width of rim at fitting end		inches

Nominal sizes	4½ ft.	5 ft.	5½ ft.
Length over rim	59 in.	65 in.	703/4 in.
Bath, complete, as described	\$61.00	\$61.00	\$66.50
Bath only, less fittings	45.00	45.00	50.50
Add for enameled base	4.50	5.00	5.50
Add for No. 1 zinc white finish	12.00	12.00	12.00

If A-635 fixture is used with china escutcheon, add \$1.00.

If A-630 quick compression lever handle fixture is used instead of A-636, add \$3.00.



Plate A-38

The "Columbia" Porcelain Enameled Iron Flat Bottom Bath Tub on Loose Base; fitted with A-655 No.  $4\frac{1}{2}$  Combination Fuller Bath Cock, A-658 Iron Pipe Size Nickel Plated Ball Offset Supplies and A-640 Bi-Transit Bath Waste.

Bath always furnished with plain exterior unless otherwise ordered.

Width over rim		30	inches			
Depth inside at outlet		17	inches			
Floor to top of rim		$21\frac{1}{2}$	inches			
Depth of rim		3	inches			
Nominal sizes	4½ ft.	5	ft.	5½ ft.	. 6 ft.	
Length over rim	54 in.	60	in.	66 in.	. 72¼ i	in.
Bath, complete, as described	\$30.45	\$3	0.95	\$34.15	\$42.5	20
Bath only, less fittings	20.45	2	0.95	24.15	32.5	20
Add for No. 1 zinc white finish				\$1	12.00	
Add for No. 3 zinc white finish					6.00	



Plate A-39

The "Columbia" Porcelain Enameled Iron Flat Bottom Bath Tub on Loose Base; fitted with A-645 Combination Waste and Overflow, A-659 Annealed Supplies and A-655 No.  $4\frac{1}{2}$  Fuller Combination Bath Cock.

This tub is always furnished with plain exterior unless otherwise specified.

Width over rim Depth inside at outlet Floor to top of rim Width of rim		7 1 ½	inches inches inches inches		
Nominal sizes	54 in. 26.45 20.45 4.50	60 \$26 20	ft. in. 3.95 0.95 5.00	5½ ft. 66 in. \$30.15 24.15 5.50	6 ft. 72½ in. \$38.20 32.20 6.00
Add for No. 3 zinc white finish				\$12.	



Plate A-40

The "Columbia" Porcelain Enameled Iron Flat Bottom Bath Tub on Enameled Loose Base; fitted with A-655 No. 4½ Combination Fuller Bath Cock, A-658 Iron Pipe Size Nickel Plated Ball Offset Supplies and A-640 Bi-Transit Bath Waste.

This bath is always furnished with plain exterior unless otherwise specified.

Width over rim Depth inside at outlet Floor to top of rim Depth of rim		$21\frac{1}{2}$	inches inches inches		
Nominal sizes	4½ ft.	5	ft.	5½ ft.	6 ft.
Length over rim	54 in.	60	in.	66 in.	72¼ in.
Bath, complete, as described	\$34.95	\$3	5.95	\$39.65	\$48.20
Bath only, less fittings	24.95	2	5.95	29.65	38.20
Add for No. 1 zinc white finish.				\$1	2.00
Add for No. 3 zinc white finish.					6.00



Plate A-42

The "Columbia" Porcelain Enameled Iron Flat Bottom Bath Tub on Enameled Loose Base; fitted with "Tracy" Combination Supply and Waste Fixture Through the Rim, with Four Arm China Handles on Supply Valves and China Knob on Waste.

This tub is always furnished with plain exterior unless otherwise specified.

inches

### DIMENSIONS

Width over rim

Depth inside at outlet Floor to top of rim Depth of rim	$     \begin{array}{r}       17 \\       21 \frac{1}{2} \\       3    \end{array} $	inches inches inches		
Nominal sizes. $4\frac{1}{2}$ Length over rim. $54$ Bath, complete, as described.\$37	in. 60		ft. 6 ft. in. 72¼ in .15 \$50.70	١.
Deduct for tub with plain base instead of enameled, as shown			6.50 6.00 .\$12.00	)
Add for exterior surface ground smoo	oth		. 2.50	



Plate A-44

### THE "COLOMA"

The "Coloma" Porcelain Enameled Iron Flat Bottom Three-Inch Roll Rim Bath Tub on Legs, with Painted Exterior; fitted with A-655 Combination Fuller Bath Cock, A-658 ½-inch Iron Pipe Size Ball Offset Supplies and A-645 Nickel Plated Connected Waste and Overflow.

Width over rim	30	inches
Depth inside	17	inches
Floor to top of rim	$21\frac{1}{2}$	inches

Nominal sizes 4 ft.	4½ ft.	5 ft.	5½ ft.	6 ft.	
Length over rim 501/4 in.	54 in.	60 in.	66 in.	72¼ in.	
Bath, complete, as described. \$22.50	\$22.50	\$23.50	\$28.00	\$36.00	
Add for No. 1 zinc white finish.			\$12.	00	
Add for No. 3 zinc white finish					
Add for exterior ground smooth			2.	50	
For price of tub only, less	trimmings	. see Plate	A-45.		



Plate A-45

### THE "COLOMA"

The "Coloma" Porcelain Enameled Iron Flat Bottom Three-Inch Roll Rim Bath Tub on Legs, with Plain Exterior, less all Trimmings.

### DIMENSIONS

30

inches

Width over rim

Depth inside Floor to top of rim		17 inche 21½ inche	_	
Nominal sizes. 4 ft. Length over rim. $50\frac{1}{4}$ in. Bath, as shown. \$16.50	4½ ft. 54 in. \$16.50	5 ft. 60 in. \$17.50	5½ ft. 66 in. \$22.00	6 ft. 72¼ in. \$30.00
Add for No. 3 zinc white finish.  Add for exterior ground smooth			\$12	.00



Plate A-47

### THE "ROYAL"

The "Royal" Porcelain Enameled Iron Flat Bottom Two-Inch Roll Rim Bath Tub on Legs, with Plain Exterior; fitted with A-655 No. 4½ Combination Fuller Bath Cock and A-645 Nickel Plated Combined Waste and Overflow.

### DIMENSIONS

Width over rim	26	inches
Depth inside	175/8	inches
Floor to top of rim	22	inches

Nominal sizes	4 ft.	4½ ft.	5 ft.	5½ ft.
Length over rim	48¼ in.	54¼ in.	60½ in.	663/4 in.
Bath, complete, as described		\$20.50	\$21.50	\$26.00
Bath only, less fittings	16.50	16.50	17.50	22.00

This tub is used only when it is necessary to save space. If this tub is found too wide, we can still furnish a tub 243/4 inches in width instead of 26 inches.





### A-51

### THE "NATIONAL"

The "National" White Vitreous China Foot Bath set on Four Vitreous China Legs; fitted with Nickel Plated Combination Waste and Supply Fixture with China Lever Handles and China Knob.

### DIMENSIONS

Length over rim	22	in.
Height	15	in.
Width over rim	18	in.
Depth inside	11	in.
Bath, complete,	as	
described	\$65	00

### A-51

### A-52

### THE "NATIONAL"

The "National" Porcelain Enameled Iron Foot Bath on Loose Base, with 2½-inch Roll Rim with Extension End, for Combination Low Bell Supply and Waste Fixture.

Length over rim	22	111.
Height	16	in.
Width over rim	22	in.
Depth	12	in.
Center to center of sup	-	
plies	8	in.
Bath, complete, with fix-	-	
tures as describd	\$36	.50
Bath only, less fittings		



A-52

# SHOWERS · amo · LAVATORIES



AATIONAL PLUMBING & HEATING SUPPLY COMPANY



Plate A-55

#### THE "NATIONAL" SHOWER

The "National" Shower shown above consists of our Built-In Two-Valve Compression Shower with Four Arm China Handles on Valves and 28x42-inch Rectangular Curtain Ring, supported to ceiling with Heavy Nickel Plated Brass Rod, 5-inch A-160 Overhead Shampoo at Head of Tub set over our A-40 "Columbia" Bath Tub.

This shower can be used over any bath tub shown in catalog. Shower can also be furnished with supply to overhead shampoo at end instead of side wall if desired, in which case the brace to ceiling would be at end instead of side. It is necessary when wanted in this manner to specifically state on order, in which case an additional cost of \$1.00 per shower will be charged.

Note: It is always necessary when installing these showers to have the compression valves at the time job is being roughed in, as they are cast in block, and being concealed, it is impossible to install them afterwards.

Valves should be set in wall 56 inches above floor line. Roughing in measurements for these showers will be given upon request. Price for shower, complete, as shown and described, less bath tub.....\$32.00



Plate A-58

#### THE "NATIONAL" SHOWER BATH

The "National" Shower Bath shown above consists of our "Gardoch" Non-Scalding Regulating Valve, concealed in wall, with China Lever Handle and Index Plate exposed; fitted with 28x42-inch Rectangular Curtain Ring, supported to ceiling with Heavy Nickel Plated Brass Rod, 5-inch A-160 Overhead Shampoo at Head of Tub and White Duck Curtain with Cast Brass Hold Back Hook; set over our A-40 "Columbia" Bath Tub.

This shower can be used over any bath tub shown in catalog. Shower can also be furnished with supply to overhead shampoo at end instead of side wall as shown, if desired; in which case the support to ceiling would be at end of curtain frame and an additional cost of \$1.00 per shower will be charged.

Note: It is necessary when installing this shower to install the non-scalding valve when roughing in, as it is concealed in wall and should be set 54 inches from finished floor line.

Full roughing in measurements will be given upon request. Price of shower, complete, as shown and described, less bath tub.....\$40.00



Plate A-62

#### THE "NATIONAL" SHOWER

The "National" Shower shown above, with Four Arm China Handle Compression Valves with ½-inch Supplies to Wall and ½-inch Discharge; fitted with 28x42-inch Rectangular Curtain Ring, supported to Ceiling with Heavy Nickel Plated Brass Rod with Heavy White Duck Curtains and Cast Brass Hold Back Hook; set over A-40 "Columbia" Bath Tub.

This shower can be used over any bath tub shown in catalog. Shower can also be furnished with supply to overhead shampoo at end instead of side wall, in which case support to ceiling would be at end of frame, and an extra cost of \$1.00 per shower will be charged.

Note: Center of supplies measures 7% inches and should be 50% inches above finished floor line.



Plate A-66

# THE "NATIONAL" SHOWER BATH

The "National" Shower Bath shown above is our Four-Valve Compression Shower with Four Arm China Handles on all Valves with ½-inch Supplies to Side Wall and ½-inch Discharge to 5-inch A-160 Overhead Shampoo.

This shower is the same as A-62 except that it has shampoo attachment operated separate from the shower. While shown over our A-40 "Columbia" bath tub, it can be used over any bath tub shown in catalog.

Note: Center of supplies measures  $7\frac{7}{8}$  inches and should be  $50\frac{3}{4}$  inches above finished floor line.





Plate A-69

Plate A-70

Plate A-69 Shower consists of our No. 1 Mixing Valve, Strainer Unions, Shampoo, 24x30-inch Overhead Curtain Ring, White Duck Curtain with Heavy Cast Brass Hold Back Hook and Supplies to Floor.

Plate A-70 Shower consists of our No. 1 Mixing Valve, Strainer Unions, Shampoo, 24x30-inch Overhead Curtain Ring, White Duck Curtain with Heavy Cast Brass Hold Back Hook and Supplies to Wall.

Note: These showers can also be furnished less the shampoo. In roughing in for A-69 shower, supplies in floor should be 8 inches center to center and  $2\frac{1}{4}$  inches from center to finished wall line.

In roughing in for A-70 shower, supplies should be for ½-inch size, 5 inches center to center in side wall and 50½ inches from finished floor line. For ¾-inch size, 5¾ inches center to center and 49¾ inches from finished floor line.

Shower, complete, as described: A-69	A-70
½-inch supply inlets and ½-inch discharge\$54.00	\$49.00
½-inch supply inlets and ¾-inch discharge	55.00
3/4-inch supply inlets and 3/4-inch discharge	65.00
Deduct for shampoo when not wanted 6.00	6.00





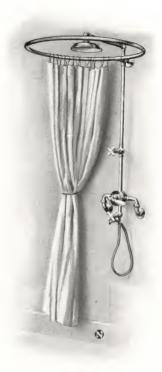


Plate A-76

Plate A-75 Shower consists of our "Gardoch" Exposed Type Mixing Valve, 24-inch diameter Curtain Ring, White Duck Curtain with Heavy Cast Brass Hold Back Hook and ½-inch Supplies to Wall.

Plate A-76 Shower consists of our "Gardoch" Exposed Type Mixing Valve with 24-inch diameter Curtain Ring, White Duck Curtain with Heavy Cast Brass Hold Back Hook and Four Arm China Handles on Shampoo and Controlling Valves.

Note: These showers can also be furnished with supplies to floor, and can be fitted with rectangular curtain frame, supported to ceiling, as shown in Plate A-62 and Plate A-66.

In roughing in for A-75 and A-76 showers, supplies should be  $\frac{1}{2}$ -inch iron pipe size, and  $\frac{7}{2}$ -inch centers,  $\frac{50}{4}$  inches from finished floor line. Detail roughing in measurments will be given upon request.

Shower, complete, as described	A-76 \$35.00
Shower, complete, as described, with rectangular curtain	φου.υυ
frame, as shown in Plate A-62	46.00
Add for supplies to floor	3.00

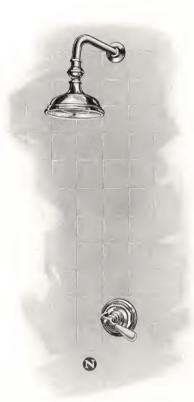




Plate A-77

Plate A-78

Plate A-77 Shower consists of our "Gardoch" Built-In Mixing Valve, Bent Arm, Ball Joint and Needle Head.

This shower is particularly adaptable for stall use and for battery use in clubs, gymnasiums, and can also be used over tiled-in bath tubs where curtain frame is used.

Plate A-78 Shower consists of our "Gardoch" Built-In Mixing Valve, Bent Arm, Ball Joint and Needle Head with Lock Shield Controlling Valve with China Escutcheons, permitting the volume of either hot or cold water to be reduced or entirely shut off without interfering with other fixtures in the room.

These showers are designed to be set at end of built-in tubs with which curtain frames as shown under Plates A-150, A-152 and A-155 can be used, as the case may require.

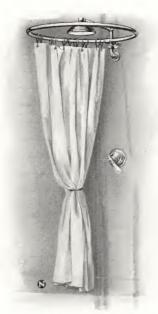


Plate A-79

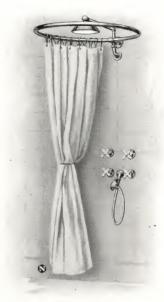


Plate A-80

Plate A-79 Shower consists of our "Gardoch" Built-In Mixing Valve, 24x30-inch Oval Curtain Ring, White Duck Curtain and Cast Brass Hold Back Hook.

This shower can also be furnished with 24-inch diameter curtain ring and can be furnished with built-in lock shield controlling valves with china escutcheons, as shown in Plate A-78.

Plate A-80 Shower consists of ½-inch "Built-In" Compression Valves, Cast in Block, with 24-inch diameter Curtain Ring, White Duck Curtain and Hold Back Hook, complete with Shampoo, Four Arm China Handles on Valves with China Escutcheons.

This shower can also be furnished with 24x30-inch oval curtain ring, or with rectangular frame, as shown in Plate A-55.

Note: Detail roughing in measurements for the above showers will be given upon request.

Plate A-79 shower valve should be set 54 inches from finished floor line to center of valve.

Plate A-80 shower valves should be set 50 inches from finished floor line to center of shampoo valves and 6 inches from center of shampoo valves to center of shower valves.

The four built-in valves in Plate A-80 are by-pass pattern. Thus the pressure is always on all four valves, eliminating check valves, which are never satisfactory in built-in showers.

A-79	A-80
Shower, complete, as described, with 24-inch ring\$36.00	\$37.00
Shower, complete, as described, with 24x30-inch ring	40.00
Shower, complete, as described, with 22x48-inch rectangular	
frame, as shown in Plate A-55	48.00







Plate A-86

Plate A-84 Shower consists of ½-inch Built-In Compression Valves with Four Arm China Indexed Handles and China Escutcheons, 24-inch diameter Curtain Ring, White Duck Curtain with Cast Brass Hold Back Hook.

This shower can also be furnished with 24x30-inch oval curtain ring.

Plate A-86 Shower consists of ½-inch Built-In Compression Valves with Four Arm China Indexed Handles and China Escutcheons, 25-inch diameter Curtain Ring, supported from Ceiling, White Duck Curtain with Cast Brass Hold Back Hook.

Roughing in measurements for above showers will be given upon request. The compression valves being cast in block, should be installed at the time job is roughed in and should be 56 inches from finished floor line to center of valves.



Plate A-89



Plate A-90

Plate A-89 Shower consists of 24-inch diameter Curtain Ring with White Duck Curtain and Cast Brass Hold Back Hook, with Supplies to Floor and with Shampoo Attachment. Shower and Shampoo are controlled by Four Arm China Indexed Handle Compression Valves

Plate A-90 Shower consists of 24-inch diameter Curtain Ring, White Duck Curtain with Cast Brass Hold Back Hook and Nickel Plated Supplies to Floor.

This shower is heavily constructed, having all supplies of full iron pipe size.

The above showers can be furnished with 24x30-inch oval curtain ring and are made in two sizes, with  $\frac{1}{2}$ -inch supplies and  $\frac{1}{2}$ -inch discharge; also  $\frac{3}{4}$ -inch supplies and  $\frac{3}{4}$ -inch discharge.

Supplies on these showers measure in the  $\frac{1}{2}$ -inch size  $\frac{7}{8}$ -inch centers, and the  $\frac{3}{4}$ -inch size  $\frac{8}{8}$ -inch centers.

Shower, complete, as described, with ½-inch supplies\$38.00 Shower, complete, as described, with ½-inch supplies and	A-90 \$31.50
24x30-inch oval curtain ring	$34.50 \\ 12.00$





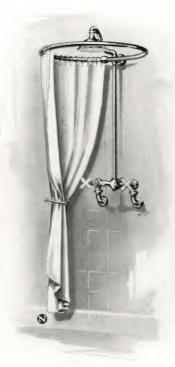


Plate A-93

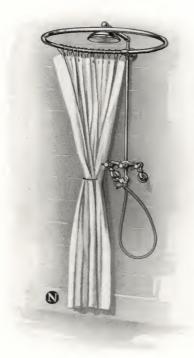
Plate A-92 Shower consists of 24-inch diameter Curtain Ring, White Duck Curtain, Cast Brass Hold Back Hook and ½-inch Supplies to Wall; complete with Shampoo Attachment. Shampoo and Shower are controlled by Four Arm China Handle Indexed Compression Valves.

Plate A-93 Shower consists of 24-inch diameter Curtain Ring, White Duck Curtain, Cast Brass Hold Back Hook and ½-inch Supplies to Wall. Shower is controlled by Four Arm China Indexed Compression Valves.

These showers can be furnished with 24x30-inch oval curtain ring if desired. They can also be furnished with 3/4-inch supplies and 3/4-inch discharge.

Center to center of supply valves measures 7% inches when furnished in the ½-inch size, and 8% inches when furnished in the ¾-inch size, and should be 50% inches from floor to center of openings in wall.

A-92	A-93
Shower, complete, as described, with 24-inch ring and ½-inch	
supplies\$29.00	\$25.00
Shower, complete, as described, with 24x30-inch curtain ring	
and ½-inch supplies	28.00
Add for 3/4-inch supplies and 3/4-inch discharge 10.00	10.00



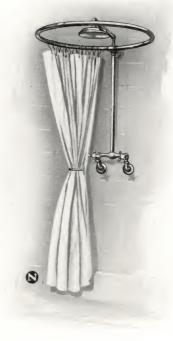


Plate A-95

Plate A-96

Plate A-95 Shower consists of 24-inch diameter Curtain Ring with White Duck Curtain, Heavy Cast Brass Hold Back Hook and Shampoo, controlled with China Indexed Compression Valves with ½-inch Supplies to Wall.

Plate A-96 Shower consists of 24-inch diameter curtain Ring, White Duck Curtain with Cast Brass Hold Back Hook, and is controlled by China Indexed Handle Compression Valves with ½-inch Supplies to Wall.

Note: These showers are only furnished with 24-inch curtain rings. Plate A-95 supplies measure 7-inch centers and should be set 51 inches from floor line to center of supply openings.

Plate A-96 is made in two sizes, one size having valves measuring 7 inches center to center, the other size having valves measuring 5 inches center to center, which should be set 51 inches from floor to center of supply openings.

Plate A-95 shower, complete, as described\$25	00.3
Plate A-96 shower, complete, as described, 7-inch centers	50
Plate A-96 shower, complete, as described, 5-inch centers. 19	-00

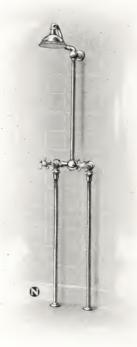




Plate A-99

Plate A-100

The Showers shown above are intended for stall purposes or public baths and consist of needle head and supplies to floor or to wall, with china indexed compression valves.

These Showers are made both in the 1/2-in. and 3/4-in. sizes.

A-99	11 100
Shower complete as shown and described, ½-in. size\$18.00	
Shower complete as shown and described, 3/4-in. size 24.50	21.50



Plate A-105



Plate A-108

#### **NEEDLE BATHS**

Plate A-105 illustrates Needle Bath with Overhead Shower on Adjustable Ball Joint; Bath and Overhead Shower controlled by Four Arm China Handle Compression Valves with Strainer Unions, Shower Head having Cast Brass Removable Face.

Plate A-108 illustrates Needle Bath with Overhead Shower on Adjustable Ball Joint; Bath and Overhead controlled by No. 1 Mixing Valve with Strainer Unions.

The above showers are made for ½-inch and ¾-inch supplies and with heavy brass manifold, on which the perforations can be set so as to throw streams that meet at one point, or straight out. The bather, when using this shower, can use needle bath only, or overhead shower only, or both, by use of china indexed handle compression valves. These showers are particularly adapted for Golf Clubs, Athletic Clubs or Colleges, and are especially desirable to set over built-in tubs where space does not permit the use of a stall shower.

Note: Supply valves on ½-inch size Plate A-105 measure 77/8 inches centers; 3/4-inch size 83/8 inches centers; Plate A-108, ½-inch size measures 5 inches centers; 3/4-inch size 53/4 inches centers.

Heights from floor line to center of valve openings vary according to installations.

Detail roughing in measurements will be given upon request.

A-105	A-108
Shower, complete, as described, ½-inch size\$55,00	\$63.00
Shower, complete, as described, 3/4-inch size	78.00

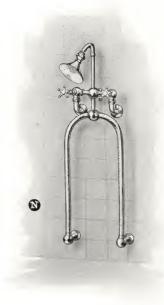


Plate A-109



Plate A-110

# SHOULDER AND BODY SHOWER

Plate A-109 illustrates Shoulder and Body Shower with China Indexed Compression Valves with ½-inch Supplies to Wall, Cast Brass Removable Face and Shower Head on Ball Joint. This shower is especially adapted for Girls' Colleges, Women's Clubs or Institutions, the Needle Head being set so low that the water does not strike the head of the bather.

#### SIDE WALL SHAMPOO

Plate A-110 illustrates our Side Wall Shampoo with Shampoo Controlling Valve with ½-inch Supplies to Wall, China Indexed Cross Arm Handles on all Compression Valves.

This shampoo, being well constructed and permanently installed, is of inestimable value, over tub, where showers are not used.

Plate A-109	shower, complete, as described\$37	.50
	shampoo, complete, as described	



Plate A-111



Plate A-112

# **NEEDLE SHOWERS**



Plate A-113

Plate A-111 Needle Shower Ring to Wall for Cold Water with ½-inch Self-Closing Valves, Chain and China Pull.

Complete, as described......\$9.50

Plate A-112 Needle Shower for Cold Water with ½-inch Supply Arm to Wall and Self-Closing Valve, Chain and China Pull.

Complete, as described.....\$9.50

Plate A-113 Needle Shower for Cold Water with ½-inch Supply to Ceiling, Self-Closing Valve, with Chain and China Pull.

Complete, as described......\$9.50



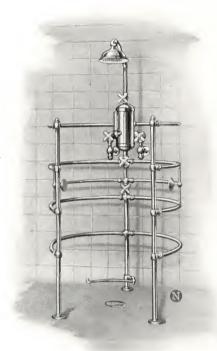


Plate A-117

Plate A-118 Shower and Needle Bath, fitted with Four Arm China Handle Compression Valves with 34-inch Inlets, Strainer Unions preventing sediment or other foreign material from getting into the spray holes.

Complete, as described.....\$105.00

Note: To obtain proper results with needle baths, pressure should be at least 20 pounds and the supply pipes amply large.

#### SHOWER AND NEEDLE BATH

Plate A-117 Shower and Needle Bath with Mixing Chamber, Thermometer, Liver Sprays and Bidet.

This shower is supplied with 3/4-inch inlets and is fitted with strainer unions to prevent sediment or other foreign material from getting into the spray holes.

Complete, as described\$	155.00
Deduct for liver sprays	12.50
Deduct for bidet	12.50
Deduct for thermometer	6.00

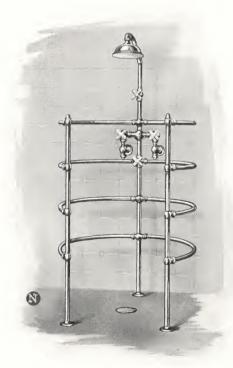


Plate A-118

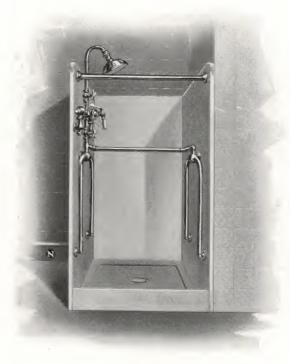


Plate A-120

Plate A-122 Shower and Needle Bath with ½-inch Gardoch Non-Scalding Regulating Valve, Cast Brass Needle Head with Removable Face and Adjustable Ball Joint.

Shower only........\$65.00

Above price does not include the Marble Stall, Floor Strainer, Curtain Rod, Snaps or Curtain. Prices on these parts vary according to sizes and will be furnished upon application.

Note: To obtain proper results with needle baths the water pressure should be at least 20 pounds and the supply pipes amply large.

# COMBINATION SHOWER AND NEEDLE BATH

Plate A-120 Combination Shower and Needle Bath with ½-inch No. 1 Non-Scalding Regulating Valve, Cast Brass Needle Head with Removable Face, on Adjustable Ball Joint.

Shower only......\$75.00

Above price does not include the Marble Stall, Floor Strainer, Curtain Rod, Snaps or Curtain. Prices on these parts vary according to sizes and will be furnished upon application.

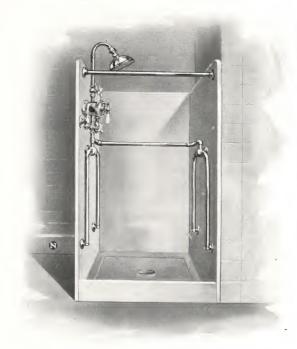


Plate A-122



Plate A-125 Shower and Needle Bath with ¾-inch No. 1 Non-Scalding Regulating Valve, Strainer Unions, Bidet, Hand Shampoo, Soap Cup and Supplies to Wall.

Shower	011	ly	\$150.00
Deduct	for	bidet	12.50
Deduct	for	shampoo	5.00

Above price does not include Marble Stall, Floor Strainer, Curtain Rod, Curtain or Snaps. Prices on these parts vary according to sizes and will be furnished upon application.

Plate A-125

### SHOWER AND NEEDLE BATH

Plate A-130 Shower and Needle Bath with ¾-inch Supplies to Wall. This is a compression type shower and is controlled by four indexed china handle compression valves, fitted with strainer unions to prevent sediment or other foreign material from getting into spray holes. Price, shower only......\$90.00

This price does not include Marble Stall, Floor Strainer, Curtain Rod or Snaps. Prices on these parts vary according to sizes and will be furnished upon application.

Note: To obtain proper results with needle baths, the water pressure should be at least 20 pounds and the supply pipes amply large.



Plate A-130



Plate A-133

### SHOWER WITH NEEDLE BATH

Plate A-133 Shower and Needle Bath with 1-inch No. 1 Non-Scalding Regulating Valve, Liver Sprays, Hand Shampoo and Bidet at front of Shower.

Shower only\$340	00 (
Deduct for liver sprays.	50
Deduct for bidet	) 50 ) 50
Deduct for shampoo.	5.00

The above price does not include Marble Stall, Floor Strainer, Curtain Rod or Snaps. Prices on these items vary according to measurements and will be furnished upon application.

Note: The mixing valve is placed at the front of stall so bather can operate the shower and obtain the desired temperature of water before entering. It is particularly necessary with this shower to have an ample supply of water. Pressure should never be less than 40 pounds and supply pipes amply large.

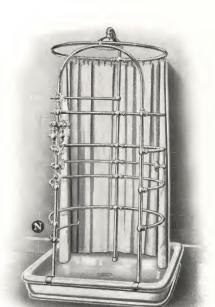


Plate A-135

Plate A-135 Shower and Needle Bath with ¾-inch No. 1 Mixing Valve, Strainer Unions, Liver Sprays, Bidet and White Duck Curtain, less Receptor.

This is a very desirable type of needle bath. The valve is at the front, thus enabling the bather to obtain the desired temperature of water before entering the shower.

Price, complete, as described\$19	95.00
Deduct for liver sprays	12.50
Deduct for bidet	

If floor flanges are desired instead of receptor hooks, so state when ordering and deduct \$7.50.

To obtain proper results with needle baths, the water pressure should be at least 20 pounds and the supply pipes amply large. If receptor is wanted, state size and style. We refer you to our Plates A-138, A-139 and A-140.

#### ROUND RECEPTOR

Plate A-138 Porcelain Enameled Iron Round Receptor for Corner with Apron to Floor for Tiling 1½ inches into Wall, Center Outlet, with Nickel plated Brass Strainer and Tail Piece.

#### DIMENSIONS

Length of sides for til-	
ing into walls39	in.
Depth of aprons $5\frac{1}{2}$	in.
Diameter of receptor43	in.
Extreme width55	111.
Corner to front over	
rim51	in.
Depth inside 43/8	in.
Depth of apron $5\frac{1}{2}$	in.
Price, complete, with	
strainer \$45	.00



Plate A-138



### PORCELAIN ENAMELED IRON RECEPTOR

Plate A-139 Porcelain Enameled Iron Receptor on Base, Center Outlet, with Nickel Plated Brass Strainer and Waste Arm.

#### Plate A-139

Nominal sizes over rim. Actual sizes.	$36\frac{7}{8}x36\frac{7}{8}$ inches	inches
Depth inside at outlet	63/4 inches 8	inches
Floor to top of rim	93/4 inches 111/2	inches
Width of rim	$2\frac{1}{2}$ inches	inches
Price, as described	\$36.50 \$50.	.80

# PORCELAIN ENAMELED IRON SHOWER RECEPTOR

Plate A-140 Porcelain Enameled Iron Shower Receptor with Apron to Floor for Tiling 1¼ inches into Walls on Rear and Sides, Center Outlet with Nickel Plated Brass Strainer and Tail Piece.



#### Plate A-140

#### DIMENSIONS

DIMENS		
Nominal sizes over rim	36x36 inches	inches
Actual sizes	$36x36\frac{1}{2}$ inches	inches
Depth inside at outlet	33/4 inches	inches
Depth of apron	5 inches 5	inches
Width of rim at front		
Price, as described	\$41.00 \$50.	.80



Plate A-147

#### PORTABLE SHOWER

Plate A-147 Portable Shower is a Full Size Shower of the Best Quality. The Curtain is of a good grade Duck, Cast Brass Hold Back Hook, Supply Tube made of seamless rubber with a woven core is not affected by hot water. The faucet attachment is the only appliance of its kind made. It will fit all of the various bath faucets and can be attached or detached instantly.

Shower can be installed in a very few minutes by use of four screws. Price, complete, as described....\$12.50

#### SHAMPOO AND BATH SPRAY

Plate A-148 Shampoo and Bath Spray with Patent Faucet Attachment that fits all the various double bath faucets and can be attached or detached instantly. The horizontal outlet prevents kinking of supply hose, which is a great advantage over the ordinary rubber bulb commonly sold for this purpose. The tubing is seamless rubber, woven core, 5 feet 6 inches long, with rubber bound hand spray.

Price, complete......\$3.00



Plate A-148





Plate A-150

Plate A-152

CURTAIN HOLDER

Plate A-152 Curtain Holder, supported to Ceiling with Nickel Plated Heavy Brass Rod, complete with Two White Duck Curtains, Snaps and Cast Brass Hold Back Hooks, for use over Tiled-In Corner Bath Tubs.

Size for 5-foot tub measures 4 feet 6 inches long.

Size for  $5\frac{1}{2}$ -foot tub measures 5 feet long.

Price, complete, as described.\$19.50

# Plate A-150 CURTAIN HOLDER

Plate A-150 Curtain Holder with Two White Duck Curtains, complete with Snaps and Cast Brass Hold Back Hooks for use over Tiled-In Corner Bath Tubs.

Size for 5-foot tub measures 4 feet 6 inches long.

Size for  $5\frac{1}{2}$ -foot tub measures 5 feet long.

Price, complete, as described....\$18.00

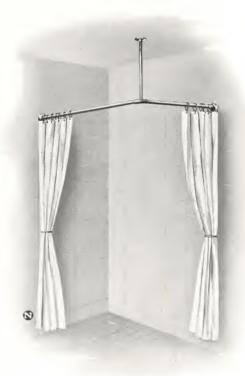


Plate A-152





#### CIRCULAR CURTAIN HOLDER

Plate A-153 Circular Curtain Holder with White Duck Curtain, Snaps and Cast Brass Hold Back Hook, designed to go over Receptor; set in corner.

Price, as described.....\$11.50

If ordered to conform to the exact curve of the receptor, it will be special, and price will depend upon details.



### NICKEL PLATED CURTAIN ROD

Plate A-155 Nickel Plated Curtain Rod, 3 feet long, with flanges and curtain snaps.....\$2.50 Add for each additional foot..... .50



#### Plate A-156

#### NICKEL PLATED CURTAIN ROD

Plate A-156 Nickel Plated Curtain Rod, with Cast Brass Corner, Top Standards and Curtain Snaps, 2 feet 6 inches long......\$5.00 Add for each additional foot..... .50



Plate A-157

#### SHOWER CURTAINS

Plate A-157 Shower Curtains can be made to any size required, from either White Duck or Rubber.

Price, White Duck, per sq. ft....\$0.15 Price, Rubber, per sq. ft...........22

White Duck Curtains are preferable to Rubber.







# NICKEL PLATED SHOWER HEADS

Diameter, inches 4	5	$6\frac{1}{2}$	8	10	12	15
Size of inlet, inches 3/8						
<b>A-160</b> Shower Head, each\$1.30	\$1.45	\$1.75	\$2.00	\$3.20	\$4.30	\$6.00
A-161 Shower Head, with						
removable face, each	2.30	2.70	3.20	4.30	5.70	7.50



A-162



A-163



# NICKEL PLATED SHOWER HEADS

A-162 Needle Shower Head with Removable Face made in two sizes:

12 200 Treedie Shower fread with Removable face made	III two sizes.
N. P.	Rough Brass
4-inch diameter with ½-inch Iron Pipe Thread\$2.10	\$1.60
5-inch diameter with ½-inch Iron Pipe Thread 3.00	2.45
A-163 Needle Shower Head with Removable Face and	Adjustable Ball
Joint.	
N. P.	Rough Brass
4-inch diameter with ½-inch Iron Pipe Thread\$3.60	\$2.75
5-inch diameter with ½-inch Iron Pipe Thread 4.50	3,60
A-164 Slotted Removable Face Shower Head on Ball Join	int.
N. P.	Rough Brass
4-inch diameter with ½-inch Iron Pipe Thread\$4.20	\$3.35
5-inch diameter with 1/2-inch Iron Pipe Thread 5.20	4.30







#### NICKEL PLATED SHOWER HEADS









- A-170 N. P. Self-Closing Shower Valve, with Ring and Chain. 1/2 inch size \$3.00 3/4 inch size 4.00
- A-172 N. P. Rubber-bound Shampoo Sprinkler.
- A-173 N. P. Rubber-bound Shampoo Sprinkler with Detachable Nipple.
- A-174 N. P. Rubber-bound Shampoo Sprinkler with Detachable Rosewood Handle.

	Size, inches, 2½	3	$3\frac{1}{2}$	4	5
A-172	Per dozen\$ 2.65	\$ 4.50	\$ 6.50		
A-173	Per dozen 5.50	8.00	12.00	\$21.00	\$28.00
A-174	Per dozen 13.00	16.00	21.00		









N. P. Brass Curtain	1 Snaps.	Cast Brass	N. P. Brass
A-178 Per dozen	\$0.60	Bell Trap	Shower Stall
A-179 Per dozen		Cesspool	Strainer
A-182 Cast Brass Be	ell Trap Cesspool with p		
	Size, 6x6 inches, with	2-inch female outl	et\$3.50
	Size, 9x9 inches, with	3-inch female outl	et 6.75
A-183 N. P. Strainer	4½-inch diameter top	and removable gra	ate, each 3.00
	5 -inch diameter top	and removable gra	ate, each 3.25
	Tapped female thread	s, same price.	









#### FLOOR DRAINS AND CESSPOOLS

Cesspools with 2-inch outlet are all brass; larger sizes have iron body.

# CAST IRON SHOWER STALL TRAPS AND DRAINS COMBINED

A-187 Drain for cement floor.

#### DIMENSIONS

Strainer, 5 inches. Height,  $6\frac{1}{2}$  inches. Diameter, 5 inches. Outlet, 2-inch iron pipe.

Price, with N. P. strainer.......\$7.50 A-188 Drain for marble stall.

#### DIMENSIONS

Height, 9 inches. Diameter, 5 inches. Outlet, 3-inch iron pipe.

Each

Price, with 5-inch N. P. strainer.. \$8.50 Price, with 6-inch N. P. strainer.. 9.50





# DOUBLE DRAIN AND TRAP COMBINED

Double Drain and Trap Combined, for Shower Stalls, having Brass Strainer and Collar, which screws into Body of Drain, and is adjustable to suit variation and thickness of floor. This drain is especially adaptable for concrete, cement, tile and marble floors.

Priec, 4-inch strainer with 1	1½-inch outlet	.\$10.50
Price, 4-inch strainer with 2	2 -inch outlet	. 11.00
Price, 5-inch strainer with 1	1½-inch outlet	. 11.50
Price, 5-inch strainer with 2	2 -inch outlet	. 12.00
Price, 6-inch strainer with 1	l <sup>1</sup> / <sub>2</sub> -inch outlet	. 12.50
Price, 6-inch strainer with 2	e -inch outlet	. 13.00







A-191 Double Drain same construction as A-190.	
Price, 2-inch strainer with 2-inch outlet	)
Price, 3-inch strainer with 2-inch outlet	)
Price, 4-inch strainer with 3-inch outlet	1
Price, 5-inch strainer with 4-inch outlet	1
A-192 and A-193 Tail Pieces for A-191 Floor Drains	5



Plate A-220

# SPEAKMAN ELBOW-ACTION MIXING VALVE

A-220 With discharge tube....\$33.00 Inlets for ½-inch iron pipe, female. This valve can discharge directly into a lavatory or sink.



Plate A-224



Plate A-222

#### THE SPEAKMAN-STRATTON ELBOW MIXING VALVE FOR HOSPITAL SINKS AND LAVATORIES

**A-222** Cold, mixed or hot water supplied instantly by swinging the lever from left to right. Perfect control and grading of full range of temperature can be obtained.

The water is closed off by swinging

the lever to the left.

Exposed parts absolutely smooth, no ridges nor projecting parts to collect dirt.

No complicated parts to get out of order. Valve can be readily re-washered without dismantling the fixture.

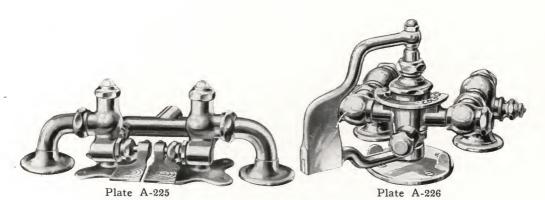
The spray at end of nozzle is arranged so that the size of the stream can be regulated or adjusted, by means of a set of perforated faces, which may be taken out and cleaned.

FULLY GUARANTEED.

#### SPEAKMAN RAISED SUPPLY NOZZLE

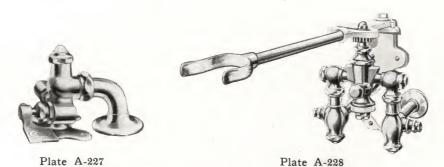
A-224 With removable rose spray......\$7.00

Tailpiece threaded for ¼-inch iron pipe. Used in connection with pedal and foot action supply valves.



#### SPEAKMAN PEDAL VALVES

#### SPEAKMAN FOOT-ACTION MIXING VALVE



### SPEAKMAN PEDAL VALVE

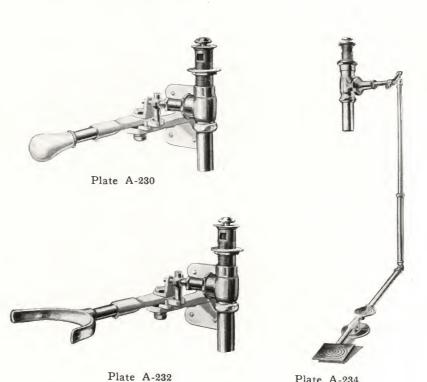
A-227 For Drinking Fountains, Surgical Lavatories and Sinks......\$8.00 Inlet and outlet for ½-inch iron pipe, female.

The valve is non-hammering, self-closing pattern, for cold water only, and may be readily re-washered.

#### SPEAKMAN KNEE-ACTION MIXING VALVE

This is a large, substantial valve, having distinct advantages. It can be placed under a variety of types of sinks or lavatories. See that the valve bracket is securely bolted to the wall.

The sink or lavatory should be large, and in keeping with the Knee-Action Valve, thus allowing ample room for the operation of the lever.



# SPEAKMAN'S KNEE-ACTION AND PEDAL WASTES

Plate A-234

With Pop-Up Plug for Enameled Iron or Vitreous China Lavatories having overflow.

,	Size		1½-in.	1½-in.
			Each	
	A-232	Knee action.	Each	17.00
	A-234	Pedal. Each	14.00	

If wanted for Sinks or Lavatories having no overflow, add \$2.00 each to above lists. Also state diameter of countersinking and thickness of ware at waste outlet when ordering plugs for no-overflow lavatories and sinks.

Note. A-230 and A-232 waste fixtures can be placed under a variety of types of sinks or lavatories, but ample space for lever to operate freely should be allowed. At least 12 inches is required to operate lever.



Plate A-240

# A-240 HOSPITAL LAVATORY

White Vitreous China Hospital Lavatory set on Vitreous China Legs and with Iron Brackets to Wall; fitted with A-220 Elbow-Action Mixing Valve with Long Discharge Tube and A-234 Pedal Waste with Pop-Up Plug and 1½-inch Nickel Plated Cast Brass Trap to Wall.

Size24x36 inches
Price, complete, as described\$122.00
Price, lavatory only

# A-242 HOSPITAL LAVATORY

White Vitreous China Hospital Lavatory set on Vitreous China Legs with Cast Iron Brackets to Wall; fitted with A-224 Raised Supply Nozzle with Removable Rose Spray, A-232 Knee-Action Waste attached to Wall, with Pop-Up Plug and A-228 Knee-Action Mixing Valve attached to Wall and connected to Raised Spray Nozzle, and 1½-inch Cast Brass Trap to Wall.

Size ...........24x36 inches
Price, complete, as described ........\$138.00
Price, lavatory only .......73.50



Plate A-242



Plate A-244

#### **BARBER'S LAVATORY**

Porcelain Enameled Iron Double Bowl Barber's Lavatory set on Two Porcelain Enameled Iron Square Fluted Pedestals; fitted with Four A-673 Four Arm China Handle Compression Basin Cocks, One China Handle Compression Shampoo Faucet, 1½-inch Continuous Waste with 1½-inch Non-Syphon Trap to Floor and Two ½-inch Nickel Plated Supplies with Combination Connections for Hot and Cold Water.

#### DIMENSIONS

Size of slab	
Size of basins	
Depth of apron 5 in	ches
Price, complete, as described\$90.00	
Price, lavatory only, less trimmings	





Plate A-246

#### MANICURING TABLE

White Vitreous China Manicuring Table with Center Bowl, Porcelain Supply, Hooded Overflow and Vitreous China Leg; fitted with Nickel Plated Combination Pop-Up Waste Fixture and Compression Supply Valves with Solid China Four Arm Handles and 1¼-inch Cast Brass Nickel Plated Trap to Wall.

Size, 18x32 inches. Price, complete, as shown and described ....\$85.00 Price, lavatory and vitreous china leg only .....\$44.00

#### A-248

#### MANICURING TABLE

White Vitreous China Manicuring Table with Vitreous China Leg; fitted with Nickel Plated Combination Waste and Supply Fixture with China Knob and Four Arm China Handles on Supply Valves and 1½-inch Nickel Plated Cast Brass Trap to Wall.



Plate A-248



Plate A-260

#### Plate A-262

#### White Vitreous China Side Wall Dental Lavatory

Fitted with Goose Neck Spout Combination Supply Fixture.

This little lavatory is a very desirable and sanitary fixture for modern bath rooms. Owing to

the size of this fixture, it can be used in almost any bath room, and if desired, in bedroom, wherever it is most convenient.

P. O. plug as shown..................\$23.00 Trap and supplies extra.

#### White Vitreous China Dressing Table

Plate A-260 represents a White Vitreous China Dressing Table, set upon White Vitreous China Pedestal.

This is a most convenient and sanitary fixture for a modern bath room.

Size ....18x32 in.
Table and
pedestal
complete ..\$40.00



Plate A-262



A-265

#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory with Vitreous China Pedestal, with Hooded Overflow and Splash Rim; fitted with China Lever Handle, Compression Supply Valves concealed in Wall over Lavatory at Back; connected to Integral Supply Nozzle concealed in Slab directly over Overflow and Waste, insuring a Sanitary Fixture; also Pop-Up Waste with China Knob and China Escutcheon, and 1½-inch Cast Brass Nickel Plated Trap to Wall.

#### DIMENSIONS

20x24 22x28 in. in.

Lavatory complete as described .......\$62.00 \$71.00

#### A-267

#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory on Vitreous China Pedestal, with Splash Rim and Vitreous Supply Nozzle directly over Overflow and Waste, insuring a Sanitary Fixture; fitted with Compression Connection to Supply and Pop-Up Waste, 1½-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

Lavatory complete as described above .. 20x24 in. 22x28 in. \$56.00 \$65.50

Add for supplies, as per size and kind wanted.

Supplies illustrated on Page No. 149.



A-267



#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory on Vitreous China Pedestal; fitted with A-720 Bi-Transit Waste with China Knob, A-673 Four Arm China Handle Compression Basin Cocks and 1½-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

	20x24	22x28
	in.	in.
Lavatory, complete, as de-		
scribed	\$38.50	\$48.00
Lavatory and pedestal		
only	27.00	36.50
Pedestal only	11.00	11.00
Add for splash rim	2.00	2.00

#### A-269

#### A-270

#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory on Vitreous China Pedestal; fitted with A-673 Four Arm China Handle Compression Basin Cocks, A-695 China Knob Pop-Up Waste and 1½-inch Nickel Plated Cast Brass Trap to Wall.

	20x24	22x28
	in.	in.
Lavatory, complete, as de-		
scribed	\$38.50	\$48.00
Lavatory and pedestal		·
only	27.00	36.50
Pedestal only	11.00	11.00
Add for hooded overflow		
and splash rim	2.00	2.00



A-270



A-272

THE "MODEL"
"Model" White Vitreous China Straight Front Lavatory on Vitreous China Pedestal with Hooded Overflow and Splash Rim; fitted with A-710 Nickel Plated Combination Pop-Up Waste Fixture with China Knob and Compression Supply Valves with Solid China Cross Arm Handles and China Escutcheons, 11/4-inch Nickel Plated Cast Brass Trap to Wall.

Note: A-715 combination fixture can also be used on this lavatory, the only difference being lever handles instead of cross arm handles.

#### DIMENSIONS

22x28
in.
\$59.50
38.50
11.00
2.00

#### A-275 THE "MODEL"

The "Model" White Vitreous China straight Front Lavatory with 6-inch Integral Back on Vitreous China Pedestal with Hooded Overflow and Splash Rim; fitted with A-710 Nickel Plated Combination Pop-Up Waste Fixture with China Knob and Compression Supply Valves with Solid China Cross Arm Handles and China Escutcheons, 11/4-inch Nickel Plated Cast Brass Trap to Wall.

Note: A-715 combination fixture can also be used on this lavatory, the only difference being lever handles instead of cross arm handles.

DIMENSIONS	
	22x26
in.	in.
Lavatory, complete, as de-	
scribed\$56.00	\$62.00
Lavatory and pedestal only. 34.00	41.00
Pedestal only 11.00	11.00
Deduct for hooded overflow	
and splash rim if not wanted 2.00	2.00



A-275



#### A-279

#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory with 6-inch Integral Back on Vitreous China Leg, with Hooded Overflow and Splash Rim; fitted with A-679 China Handle Fuller Basin Cocks, A-695 Pop-Up Waste, A-734 1¼-inch Nickel Plated S Trap to Floor and ¾-inch A-760 Nickel Plated Supplies to Floor.

#### DIMENSIONS

#### A-278

#### THE "MODEL"

The "Model" White Vitreous China Straight Front Lavatory on Vitreous China Leg; fitted with A-720 Bi-Transit Waste with China Knob, A-673 Four Arm China Handle Compression Basin Cocks and 1½-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

Size	20x	24	inches
Lavatory, complete,			
scribed			
Lavatory and leg only			
Leg only			4.00
Add for splash rim			2.00

This lavatory can also be furnished with pop-up waste and hooded overflow, or with A-710 or A-715 combination supply and waste fixture.



A-279



A-280

#### THE "YALE"

The "Yale" White Vitreous China Swelled Front Lavatory on Vitreous China Pedestal; fitted with A-720 Bi-Transit Waste and A-680 China Handle and China Indexed Fuller Basin Cocks and 1½-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

DIMENSIONS		
2	2x26	24x30
	in.	in.
Lavatory, complete, as de-		
scribed\$	46.50	\$54.50
Lavatory and pedestal		
only	32.00	40.00
Pedestal only		
Add for hooded overflow		
and splash rim	2.00	2.00
This lavatory can also b	e fur	nished
with A-710 or A-715 comb		
ply and waste fixture, or A		
waste instead of bi-transi	t wa	ste as
shown.		

#### A-280

#### THE "LYNDON"

The "Lyndon" White Vitreous China Round Front Lavatory with 6-inch Integral Back on Vitreous China Leg, with Hooded Overflow and Splash Rim; fitted with A-710 Nickel Plated Combination Pop-Up Waste Fixture with China Knob and Compression Supply Valves with Solid China Cross Arm Handles and China Escutcheons, 11/4-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

Size20x24 inches
Lavatory, complete, as de-
scribed\$49.00
Lavatory and leg only 28.00
Leg only 4.00
Deduct for hooded overflow and
splash rim 2.00

This lavatory can also be furnished with chain stay and basin cocks, or with pop-up waste and two basin cocks if desired.



A-282





A-284

#### THE "PRINCETON"

The "Princeton" White Vitreous China Oval Lavatory with 4-inch Integral Back, on Vitreous China Pedestal, with Hooded Overflow and Splash Rim; fitted with A-679 China Handle Fuller Basin Cocks, A-695 China Knob Pop-Up Waste and 1½-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

Size	26 in.
Lavatory, complete, as de-	
scribed	\$52.50
Lavatory and pedestal only	
Pedestal only	11.00
Add for splash rim and hooded	
overflow	2.00

This lavatory can also be furnished with combination supply and waste fixture if desired.

#### A-284

#### THE "HARVARD"

The "Harvard" White Vitreous China Oval Lavatory on Vitreous China Pedestal; fitted with Lever Handle Compression Basin Cocks, China Knob Bi-Transit Waste and 11/4-inch Nickel Plated Cast Brass Trap to Wall.

	22x26	24x30
	in.	in.
Lavatory, complete, as		
described	\$43.00	\$51.00
Lavatory and pedestal		
only	32.00	40.00
Pedestal only	11.00	11.00
Add for hooded overflow		
and splash rim	2.00	2.00
This lavatory can also	be fui	rnished
with pop-up waste or con	ibinatio	on sup-
ply and waste fixture.		1



A-285





#### A-286 THE "DIXON"

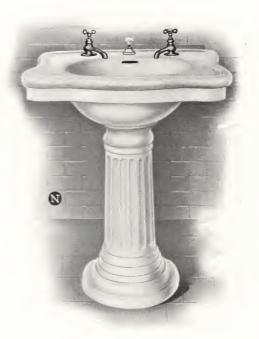
The "Dixon" White Vitreous China Serpentine Design Lavatory on Round Fluted Vitreous China Pedestal; fitted with A-679 China Handle Fuller Basin Cocks, A-721 Bi-Transit Waste, and 1½-inch Cast Brass Trap to Wall.

Size	20x24 in.
Lavatory, complete, as de-	
scribed	\$28.00
Layatory and pedestal only	20.00

#### A-287 THE "DIXON"

The "Dixon" White Vitreous China Serpentine Design Lavatory on Round Fluted Vitreous China Pedestal; fitted with A-672 Compression China Indexed Basin Cocks, A-695 Pop-Up Waste with China Knob and 1¼-inch Nickel Plated Cast Brass Trap to Wall.

Size20x24 in
Lavatory, complete, as de-
scribed\$28.00



A-287



# A-288 THE "DIXON"

The "Dixon" White Vitreous China Serpentine Design Lavatory on Round Fluted Vitreous China Pedestal; fitted with A-700 Combination Supply and Waste Fixture, with China Knob on Waste and Four Arm China Handles on Supply Valves; with 1½-inch Cast Brass Trap to Wall.

### A-289 THE "DIXON"

The "Dixon" White Vitreous China Serpentine Design Lavatory on Round Fluted Vitreous China Pedestal; fitted with A-705 Combination Supply and Waste Fixture with China Knob on Pop-Up Waste and China Lever Handles on Quick Compression Supply Valves; 1½-inch Cast Brass Trap to Wall.

Size20x24 in.
Lavatory, complete, as de-
scribed \$32.00



A-289



A-290

#### THE "DIXON"

The "Dixon" White Vitreous China Serpentine Design Lavatory on Round Fluted Vitreous China Pedestal, with Integral Vitreous China Supply Nozzle directly over Overflow and Waste, insuring a most sanitary fixture; fitted with Four Arm China Handle Compression Valves with China Escutcheons and China Knob on Pop-Up Waste; 11/4-inch Cast Brass Trap to

DIMENSIO	NS	
	20x24	22x26
	in.	in.
Lavatory, complete, as d		
scribed	.\$34.00	\$36.00
Add for splash rim	. 2.00	2.00
This lavatory is only	sold c	omplete

with fixtures.

### A-293 THE "DIXON"

The "Dixon" White Vitreous China Serpentine Design Lavatory on White Vitreous China Leg; fitted with A-705 Combination Pop-Up Waste and Supply Fixture with China Lever Handles on Compression Valves and China Knob on Pop-Up Waste, with 11/4-inch Cast Brass Trap to Wall.

DIMENSIONS
Size20x24 in.
Lavatory, complete, as de-
scribed\$28.00
If furnished with trimmings as
shown on A-286 or A-287 24.00
If furnished with A-700 combi-
nation fixture



A-293



# Lavatory, complete, as described. \$24.50 Lavatory only. 13.00 Add for hooded overflow and splash rim. 2.00

#### A-295

#### THE "CAMBRIDGE"

The "Cambridge" White Vitreous China Straight Front Lavatory with 6-inch Integral Back on Concealed Hangers; fitted with A-672 China Indexed Compression Basin Cocks, A-695 Pop-Up Waste with China Knob and China Escutcheons, and 1½-inch Cast Brass Trap to Wall, less Supplies.

This lavatory can also be furnished with fittings as shown in Plates A-710 and A-715.

20x24 in.	22x26 in.
\$33.50	\$39.50
22.00	28.00
2.00	2.00

### A-296 THE "LOWELL"

The "Lowell" White Vitreous China Corner Lavatory with 6-inch Integral Back with Hooded Overflow and Splash Rim; fitted with A-673 Four Arm China Handle Compression Basin Cocks, A-695 Pop-Up Waste with China Knob and China Escutcheons and 1½-inch Cast Brass Trap to Wall, less Supplies.



	16½x16½ in.	19½x19½ in
Lavatory, complete, as described	\$29.50	\$40.50
Lavatory only	18.00	29.00
Deduct for hooded overflow and splash rim	2.00	2.00



## A-300 THE "PURITAN"

The "Puritan" Porcelain Enameled Iron Lavatory on Porcelain Enameled Iron Pedestal; fitted with A-672 China Indexed Compression Basin Cocks, and A-725 11/4-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

20x24 22x27
in. in.
Lavatory complete
as described ....\$20.00 \$22.50
Lavatory and pedestal only ..... 16.50 19.00

A-300

# A-301 THE "PURITAN"

The "Puritan" Porcelain Enameled Iron Lavatory on Porcelain Enameled Iron Pedestal; fitted with A-672 China Indexed Compression Basin Cocks, A-695 China Knob Pop-Up Waste and A-725 11/4-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

20x24 22x27 in. in. Lavatory complete, as described .....\$22.50 \$25.00 Lavatory and pedestal only ..... 16.50 19.00



A-301



#### THE "PURITAN"

The "Puritan" Porcelain Enameled Iron Lavatory on Porcelain Enameled Iron Pedestal; fitted with A-672 China Indexed Compression Basin Cocks, A-720 Ideal Bi-Transit Basin Waste with China Knob and A-725 11/4-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

20x24 22x27 in. in. in. Lavatory, complete, as described......\$22.50 \$25.00 Lavatory and pedestal only......... 16.50 19.00

#### A-302

#### A-303

#### THE "PURITAN"

The "Puritan" Porcelain Enameled Iron Lavatory on Porcelain Enameled Iron Pedestal; fitted with A-700 Combination Supply and Waste Fixture with Four Arm China Handles on Supply Valves and China Indexed Knob on Waste, A-725 11/4-inch Nickel Plated Cast Brass Trap to Wall.

#### DIMENSIONS

 $\begin{array}{cccc} & 20x24 & 22x27 \\ & \text{in.} & \text{in.} \\ \text{Lavatory, complete,} \\ \text{as described.} & \$25.00 & \$27.50 \\ \text{Lavatory and pedestal only.} & 16.50 & 19.00 \\ \end{array}$ 



A-303



A-305

#### THE "GLENWOOD"

The "Glenwood" Porcelain enameled Iron Apron Lavatory on Concealed Hanger; fitted with A-671 China Indexed Nickel Plated Compression Basin Cocks, A-720 Bi-Transit Waste with China Knob, A-725 11/4-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Height of back....10 in. 12 in. 12 in.

Size of slab......18x24 20x24 22x27
in. in. in.

Lavatory, complete,
as described....\$14.50 \$17.50 \$24.50

Lavatory only.... 9.50 12.50 19.50

#### A-305

#### THE "GLENWOOD"

The "Glenwood" Porcelain Enameled Iron Apron Lavatory on Concealed Hanger; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1<sup>1</sup>/<sub>4</sub>-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Height of back....10 in. 12 in. 12 in. Size of slab......18x24 20x24 22x27 in. in. in. Lavatory, complete, as described....\$12.00 \$15.00 \$22.00 Lavatory only.... 9.50 12.50 19.50



A-306

# N -





#### A-307

#### THE "GLENWOOD"

#### A-308

The "Glenwood" Porcelain Enameled Iron Corner Apron Lavatory on Concealed Hangers; fitted with A-671 China Indexed Nickel Plated Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

This lavatory can be furnished for either right or left hand corner. Be careful to state for which corner wanted when ordering.

### DIMENSIONS Height of back...... 10 in. 12 in.

Size of slab18x24 in.	20x24 in.
Lavatory, complete, as de-	
scribed\$16.00	\$19.00
Lavatory only 13.00	16.00

#### A-307

#### THE "GLENWOOD"

The "Glenwood" Porcelain Enameled Iron Apron Lavatory on Concealed Hangers; fitted with Four Arm China Handle Pop-Up Waste through Back, A-671 China Indexed Nickel Plated Compression Basin Cocks, A-725 1¼-inch Nickel Plated Cast Brass Trap to Wall, A-770 Close Supplies to Wall.

This lavatory can also be furnished with lift waste through slab instead of back if wanted.

#### DIMENSIONS

Height of back....10 in. 12 in. 12 in. Size of slab......18x24 20x24 22x27 in. in. in.

Lavatory, complete, as described....\$15.00 \$18.00 \$25.00 Lavatory only.... 9.50 12.50 19.50



A-308





## A-312 THE "BEVERLY"

The "Beverly" Porcelain Enameled Iron Apron Lavatory on Concealed Hangers; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Height of back 8 in	n. 10 in.
Size of slab18x21	in. 19x24 in.
Lavatory, complete,	
as described \$10.	
Lavatory only 8.	00   11.00

#### A-310

#### THE "GLENWOOD"

The "Glenwood" Porcelain Enameled Iron Recess Lavatory with Apron on Concealed Hangers; fitted with A-673 Four Arm China Handle Compression Basin Cocks, A-727 1¼-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

	18x24 in.	20x26 in.
actual size of		
slab	$.18\frac{3}{4}x24\frac{3}{4}$	$20\frac{1}{2}$ x $26\frac{1}{4}$

	-/4/4	110/21100/
	in.	in.
Height of back	$7\frac{1}{2}$ in.	8 in.
Lavatory, com-		
plete, as described	\$19.00	\$21.00
Lavatory only	16.00	18.00



A-312





# A-314 THE "OXFORD"

The "Oxford" Porcelain Enameled Iron Swelled Front Apron Lavatory on Concealed Hangers; fitted with A-671 China Indexed Nickel Plated Compression Basin Cocks, A-727 11/4-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies.

#### DIMENSIONS

Height of back 10 in.	12 in.	12 in.
Size of slab18x24 in.	20x24 in.	$22 \times 27$ in.
Lavatory, complete, as described.\$12.00	\$15.00	\$22.00
Lavatory only 9.50	12.50	19.50

#### A-314

#### A-316

#### THE "OXFORD"

The "Oxford" Porcelain Enameled Iron Swelled Front Apron Lavatory on Concealed Hanger; fitted with A-673 Four Arm China Handle Nickel Plated Compression Basin Cocks, A-720 Bi-Transit Waste with China Knob, A-727 11/4-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

Height of back 10 in. Size of slab 18x24	12 in. 20x24	12 in. 22x27
Lavatory, complete, in.	in.	in.
as described\$15.00 Lavatory only 9.00	$$18.00 \\ 12.50$	$$25.00 \\ 19.50$



A-316





# A-319 THE "CRESCENT"

The "Crescent" Porcelain Enameled Iron Roll Rim Lavatory on Concealed Hangers; fitted with A-670 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Height of back 6 inches
Size of slab
Lavatory, complete, as described\$8.00
Lavatory only 5.50

#### A-318

#### THE "STAR"

The "Star" Porcelain Enameled Iron Roll Rim Lavatory on Concealed Hanger; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

Height of back 8	in.	10 in.
Size of slab18	8x21	19x24
	in.	in.
Lavatory, complete, as de-		
scribed\$	9.50	\$12.75
Lavatory only	7.00	10.25



A-319



#### A-322

#### THE "LOMBARD"

The "Lombard" Porcelain Enameled Iron Apron Corner Lavatory on Concealed Hangers; fitted with A-670 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Length of side16½	inches
Height of back 6	inches
Extreme width233/4	inches
Lavatory, complete, as d	e-
scribed	\$9.50
Lavatory only	7.00

#### A-320

#### THE "KNOX"

The "Knox" Porcelain Enameled Iron Apron Corner Lavatory on Concealed Hangers; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

Length of side19	inches
Extreme width263/4	inches
Height of back 8	inches
Lavatory, complete, as de	
scribed	.\$12.50
Lavatory only	10.00



A-322



### A-325 THE "EMERSON"

The "Emerson" Porcelain Enameled Iron Roll Rim Corner Lavatory on Concealed Hangers; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

#### DIMENSIONS

Length of side16½	inches
Height of back 6	inches
Extreme width231/4	inches
Lavatory, complete, as de	e-
scribed	.\$9.00
Lavatory only	. 6.50

#### A-324

#### THE "WALDO"

The "Waldo" Porcelain Enameled Iron Roll Rim Corner Lavatory on Concealed Hangers; fitted with A-671 China Indexed Compression Basin Cocks, A-727 1½-inch Nickel Plated Cast Brass Trap to Wall and A-770 Close Supplies to Wall.

Length of side19	inches
Height of back 8	inches
Extreme width26½	inches
Lavatory, complete, as de	;-
scribed	.\$11.50
Lavatory only	. 9.00



A-325



Plate A-328

#### BATTERY OF THREE "BEVERLY" LAVATORIES

Porcelain Enameled Iron Battery of Three "Beverly" Lavatories on Concealed Hangers; fitted with A-671 China Indexed Compression Basin Cocks, A-743 Nickel Plated Continuous Waste, A-735 1½-inch Nickel Plated S Trap with Vent, and A-770 Close Supplies to Wall.

#### DIMENSIONS

Size of slab18	8x21 inches
Height of back	8 inches
Center to center of lavatories	24 inches
Lavatories, complete, as described	\$41.00
Deduct for continuous waste and trap	11.00
Lavatories only	24.00

Note: This battery can be made up of any side wall lavatories shown in catalog.

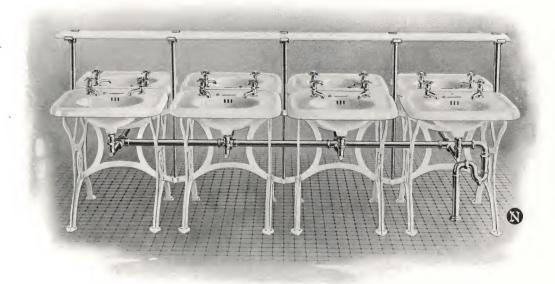


Plate A-330

#### BATTERY OF FOUR DOUBLE SECTION LAVATORIES

Porcelain Enameled Iron Battery of Four Double Section Lavatories on Painted Iron Brackets to Floor with Opaline Glass Towel Shelf on Nickel Plated Brass Supports; fitted with A-686 Nickel Plated China Indexed Self-Closing Basin Cocks, 1¼-inch Nickel Plated Continuous Waste with 1½-inch Nickel Plated S Trap to Floor.

Size of slabs	20x24 inches
Space allowed between slabs in rear	1 inch
Space allowed between slabs on side	1½ inches
Lavatories, complete, as described	
Deduct for brass supports and glass shelf	63.00
Deduct for basin cocks, continuous waste and trap	85.00
Lavatories and floor brackets only	. 100.00
Add for each additional double section only	



ANTIONAL PLUMBING & HEATING SUPRY COMPANY

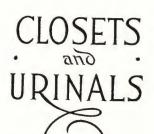




Plate A-360

#### WHITE VITREOUS CHINA FLUSHING RIM BIDET

With Integral Supply Fixture to Bidet and Flushing Rim; fitted with Nickel Plated Pop-Up Waste with China Knob and Compression Supply Valves with Solid China Cross Arm Handles.

#### DIMENSIONS

Height	 	 	 	 15	inches
Length	 	 	 	 24	inches
Width	 	 	 	 $14\frac{1}{4}$	inches

Price, complete, as described.....\$25.00

Note: The above bidet pan at the low price given should be installed in every modern home. It is in general use in hot countries and in hospitals and sanitariums throughout the world, but the expense has heretofore prevented its general adoption in the American home. All leading doctors advocate its frequent use for prevention and cure of rectal diseases.



A-365

### A-370 THE "ARISTON"

White Vitreous China Lowdown Closet Combination, consisting of "Ariston" Heavy Vitreous China Syphon Jet Bowl with Extended Lip and Cut Out in Back, Serpentine Vitreous China Underpull Tank; fitted with Noiseless Ball Cock, Hydraulic Flush Valve, Nickel Plated Straight or Offset Flush Connection; Oak or Birch Mahogany Seat and Cover with Reinforcing Ring.

Price, complete, as shown and de-
scribed\$45.00
Add for white pyralin covered seat. 3.50
Deduct for stop in supply if not
wanted

### THE "PYRAMID"

Vitreous China Lowdown Syphon Jet Closet Combination, as its name implies, is a massive and silent combination with absolute perfection in all the sanitary features known in closet construction. The bowl has extra large water surface with extended lip, cut out in back, giving it 4 inches more non-soiling space than any other closet on the market. Seat attachment is through the bowl, leaving no exposed metal parts. Seat and cover are covered with white pyralin finish. Tank is equipped with noiseless ball cock and hydraulic flush valve. All other metal parts are of heavy brass; nickel plated straight flush connection covered with china shield

China Shield.	
Price, complete, as described\$	55.00
If with birch mahogany seat, de-	
duct	3.50
If without china shield on flush,	
deduct	1 50



A-370



A-373

### A-375 THE "ARISTON"

The "ARISTON" White Vitreous China Lowdown Syphon Jet Closet Combination with our "Ariston" Bowl, having Extended Lip and cut-out in back; fitted with Serpentine Vitreous China Tank with Top Side Lever, Noiseless Ball Cock and Hydraulic Flush Valve, with Oak or Birch Mahogany Seat without Cover.

Price, complete, as described\$	40.00
Add for underpull vitreous tank.	2.50
Add for stop in supply	.50
Add for china shield on flush	
connection	1.50

#### A-373 THE "MADERA SILENT"

The "MADERA SILENT" Vitreous China Syphon Jet Lowdown Closet Combination consists of Heavy Vitreous China Silent Working Syphon Jet Bowl with graceful lines and impressive massiveness with highest efficiency and greatest durability; fitted with Square Vitreous China Underpull Tank with Noiseless Ball Cock and Hydraulic Flush Valve. Either offset or straight flush connection can be furnished. Seat is our A-465 semisaddle bar hinge guaranteed seat, either oak or birch mahogany finished. Price, complete, as described....\$35.00 Add for white pyralin seat..... Add for china shield on flush connection ..... 1.50 Deduct for stop in supply if not wanted ..... .50



A-375





### A-378 THE "MADURO"

The "Maduro" White Vitreous China Lowdown Syphon Jet Closet Combination, consisting of our staple Syphon Jet Bowl with Jet Arm, Vitreous China Tank with Top Side Lever and high grade trimmings; A-465 Oak or Birch Mahogany Semi-Saddle Bar Hinge Seat.

Price, complete, as described...\$28.00

Deduct for stop in supply..... .50

Add for white pyralin covered seat ...... 3.00

A-378

#### A-380

#### THE "MADISON"

The "Madison" White Vitreous China Lowdown Syphon Washdown Closet Combination, consisting of "Madison" Reversed Trap Syphon Washdown Bowl with White Vitreous China Round Cornered Tank, with Double Acting Top Side Lever, Noiseless Ball Cock and High Grade Flush Valve, A-465 Oak or Birch Mahogany Bar Hinge Semi-Saddle Seat.

Price, complete, as described\$	23.25
Add for stop in supply	.50
Add for white pyralin seat and	
cover	3.00
Add for china floor bolt caps	.40
Add for jet in bowl	1.00



A-380



A-382

#### THE "SI-WEL-CLO"

The "Si-wel-clo" Vitreous China Noiseless Syphon Jet Closet; fitted with "Bellemeade" Vitreous China Lowdown Tank with upper lever compound flushing fittings and with Nickel Plated Brass Supply to Floor; complete with Oak or Birch Mahogany Seat and Cover with Nickel Plated Brass Hinges.

Price, complete, as described\$	41.00
Add for china offset and escutcheon	2.50
Add for stop in supply	
Add for A-465 bar hinge seat	1.00



#### "SI-WEL-CLO DE LUXE"

The "Si-Wel-Clo De Luxe" Vitreous China Noiseless Syphon Jet Lowdown Closet with White Vitreous China Lowdown Tank with Upper China Lever; equipped with White Celluloid Seat and Cover with China Seat Posts; Concealed Noiseless Supply Tank Fittings and Shut-Off, Concealed Support, Concealed Brass Flush Connection with China Casings and China Bolt Caps.

Price, complete, as shown and described......\$60.00



#### A-385

#### THE "BALTIC"

The "Baltic" Lowdown Syphon Washdown Closet Combination, consisting of "Baltic" Washdown Bowl, Iron Enameled Tank fitted with Submerged Ball Cock and Hydraulic Flush Valve; Seat A-461 either Birch or Oak Finish.

# A-387 THE "BALTIC"

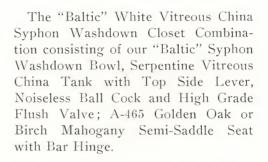
The "Baltic" Lowdown Syphon Washdown Closet Combination, consisting of "Baltic" Washdown Bowl, Iron Enameled Tank fitted with Submerged Ball Cock and Hydraulic Flush Valve; Seat A-461 either Birch or Oak Finish.

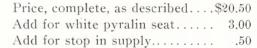


A-387



#### THE "BALTIC"







A-389

# A-391 THE "BALTIC"

The "Baltic" White Vitreous China Lowdown Closet Combination, consisting of our "Baltic" Syphon Washdown Bowl, Round Cornered Vitreous China Tank with Top side Lever, Noiseless Ball Cock, High Grade Flush Valve; fitted with A-465 Golden Oak or Birch Mahogany Semi-Saddle Seat with Bar Hinge.

Note: "Gardoch" Bowls the same as "Baltic" except to rough in at 12 inches can be furnished if desired.



A-391





A-393

### A-393 THE "BALTIC"

The "Baltic" White Vitreous China Lowdown Syphon Washdown Closet Combination, consisting of "Baltic" Washdown Bowl, Vitreous Tank fitted with Submerged Ball Cock and Douglas Flush Valve, A-461 Oak or Birch Mahogany Seat.

Price, complete, as described......\$18.00 Add for stop in supply.............50

# A-394 THE "BALTIC"

The "Baltic" Lowdown Syphon Washdown Closet Combination consisting of "Baltic" Washdown Bowl, Oak or Birch Mahogany Tank and Seat.

Price, complete, as described......\$15.00



A-394



# A-400 THE "MADURA"



A-400

The "Madura" Syphon Jet Closet Bowl with Concealed Arm; fitted with A-466 Birch or Oak Seat and No. 6 Concealed "Royal" Flush Valve with China Oscillating Handle and Nickel Plated Wall Flange.

Price, complete, as described......\$28.00

Add for Brass Floor Flange, Durham connection ......\$2.00

Deduct for seat without cover ...... 1.00

Note: Working space should be allowed for back of closet.

#### A-403

#### WALL HANGING SYPHON JET CLOSET

Wall Hanging Syphon Jet Closet with Concealed Inlet; fitted with Iron Yoke with Brass Wall Flange, with Waste Connection threaded for 4-inch iron pipe; Seat A-465 either Oak or Birch Woodwork, operated by No. 6 Concealed "Royal" Flush Valve with China Oscillating Handle and Nickel Plated Wall Flange. Price, complete, as described......\$48.00

Note: Working space should be allowed for back of closet.



A-403



### A-405 THE "MADERA"

The "Madera" Extra Heavy Syphon Jet Closet with Concealed Jet Arm; fitted with A-466 Birch or Oak Seat and No. 23 Nickel Plated "Royal" Flush Valve with China Oscillating Handle.

A-405

Price, complete, as described	.\$32.00
Add for silent feature	. 3.00
Add for extended lip	. 1.50
Add for loose key stop in supply	2.50

## A-407 THE "MADERA"

The "Madera" Extra Heavy Syphon Jet Closet with Concealed Jet Arm and Side Inlet Spud; fitted with A-465 Birch or Oak Seat and No. 4 Nickel Plated "Royal" Flush Valve with China Oscillating Handle.



#### A-407

Price, complete, as described\$2	34.00
Add for stop in supply	
Add for silent feature	3.00
Add for extended lip	1.50



## A-409 THE "MADISON"

The "Madison" Reversed Trap Syphon Washdown Closet Combination; fitted with A-466 Birch or Oak Seat, No. 39 Nickel Plated "Royal" Flush Valve with China Oscillating Handle.

#### A-409

Price, complete, as described.	\$25.00
Add for seat with cover	.75
Add for stop in supply	2.50
Add for jet in closet	1.00
Add for extended lip	

## A-410 THE "BALTIC"

The "Baltic" Syphon Washdown Closet Bowl; fitted with A-466 Birch or Oak Seat, No. 39 Nickel Plated "Royal" Flush Valve with China Oscillating Handle.



#### A-410

Price, complete, as described	\$23.00
Add for stop in supply	2.50
Add for seat with cover	75
Add for extended lip	
Add for jet in bowl	







#### A-412 THE "REX"

The "Rex" High Tank Syphon Washdown Closet Combination, consisting of Polished Oak Top Supply Tank, Seat and Cover with Cast Brass Hinges, Nickel Plated Brass Flush Pipe, with Slip Joint Elbow Connection, Pipe Support and Rubber Seat Bumper.

This combination can be furnished with either top or bottom supply tank.



A-412

## A-415 THE "ARISTON"

The "Ariston" Automatic Seat Action Closet with Concealed Galvanized Tank and Flush Pipe, Automatic Seat Action Valve, Golden Oak Seat with Nickel Plated Brass Reinforcing Ring.

Price, complete, as described............\$67.00

Bowl can be furnished in either 13-inch or 15-inch heights. This combination can also be furnished with exposed tank.

Note: The seat shelf has always been one of the soiling centers of seat action closets. We have removed all brass from this point and encased the valve and plunger in the earthenware above the soiling line, reducing to a minimum the soiling space and all possibilities of disorder of the valve.

#### A-418 THE "MADERA"

The "Madera" Automatic Seat Action Closet with Galvanized Tank and Flush Pipe, Automatic Seat Action Valve, Golden Oak Seat with Nickel Plated Brass Reinforcing Ring.

Price, complete, as shown and described. \$56.00 Bowl can be furnished in either 13-inch or 15-inch heights. Can also be furnished with concealed tank.

Note: The seat shelf has always been one of the soiling centers of seat action closets. We have removed all brass from this point and en-

cased the valve and plunger in the earthen-ware above the soiling line, reducing to a minimum the soiling space and all possibilities of disorder of the valve.



A-418

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#### A-420 THE "MADORIC"

The "Madoric" Automatic Seat Action Closet with Lip and Jet; fitted with Galvanized Tank and Flush Pipe, Automatic Seat Action Valve, Golden Oak Seat with Nickel Plated Brass Reinforcing Ring.

Price, complete, as shown and described. \$50.00 This closet can be furnished in either 13-inch or 15-inch heights. It can also be furnished with concealed tank.



## A-423 THE "BALTIC"

The "Baltic" Automatic School Closet; fitted with Concealed Tank, Golden Oak Reinforced Seat, Nickel Plated Brass Flush Valve.

Price, with exposed low-down tank 35.00

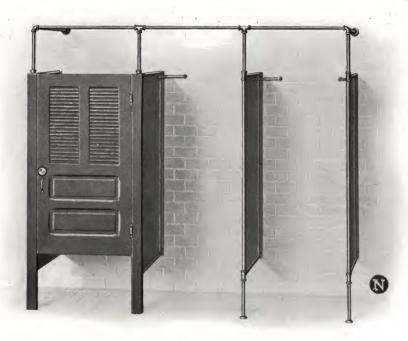
#### A-425 GALVANIZED (STEEL CLOSET) STALLS

The A-425 Galvanized Steel Closet Stalls are made of galvanized steel, with galvanized piping, legs and trimmings.

Height · 54 inches
Width 30 inches
Height of leg 12 inches
Depth 36 inches



A-423



Note: By enclosed stall we mean a stall with oak door and door frame, complete with nickel plated spring hinges and lock.

#### Plate A-425

Price, per set of two stalls, less door and door frame	\$62.00
Add for each additional stall	16.00
Price, per two enclosed stalls	94.00
Add for each additional enclosed stall	32.00





#### VOGEL FROST PROOF CLOSETS

A-430 Vogel No. 1 Frost Proof Closet shown above uses but four gallons of water at a flush. Depressing seat raises rod, allowing tank to fill. Releasing seat allows a strong flush direct from tank to hopper. The water in valve casing then passes down through waste valve (below frost line) into sewer, leaving entire fixture empty. Combination consists of tall oval flushing rim hopper, enameled in and painted out, reinforced hardwood seat, galvanized pressure tank, flush pipe, lead waste connection, supply and flush valve assembled with 3 feet 3 inches valve rod and casing.

List price, not including trap and soil pipe.....\$17.00

Plate A-430

Flanged soil pipe, per length\$3.00 Trap
Price list of parts and specials for Vogel Frost Proof Closets:
Add for hoppers enameled in and out\$2.50 Add for self-raising seats



Plate A-432

No. 2 hopper only, enameled in and painted out	\$3.00
8x24-inch galvanized pressure tank	3.50
Seat, complete, with trimmings for No. 1	2.50
Seat, complete, with trimmings for No. 2	210
Valve and casing, complete, for No. 1	7 50
Valve and casing, complete, for No. 2	5.40

Circular and price list of smaller parts furnished on application.







#### A-439

#### THE "BALTIC"

#### A-440

#### THE "GARDOCH"





#### THE "BALTIC"

"Baltic" Syphon Washdown Closet Bowl with Lip and 2-inch Spud. List ............\$10.00



A-443

#### THE "CAMPANIA"

"Campania" Syphon Washdown Closet Bowl with Extra Extended Outlet, for very close roughing in; with 2-inch Spud. List....\$12.00



THE "GARWOOD"



THE "HOMEWOOD"

Vitreous China Low Pattern Tanks, Fitted With High Grade Trimmings.

A-445	"Garwood" Tank, complete with Trimmings	\$18.00
A-446	"Homewood" Tank, complete with Trimmings	18.00
A-445	"Garwood" Tank and Cover only, less Trimmings	12.00
A-446	"Homewood" Tank and Cover only, less Trimmings	12.00
A-445	or A-446 Covers only	4.50



A-447
THE "TEAKWOOD"



A-449
THE "FERNWOOD"





#### TOP AND BOTTOM SUPPLY HIGH TANKS

Top and Bottom Supply High Tanks, Plain Sawed Oak Woodwork, Varnish Finish, Anti-Singing Ball Cock, Galvanized Goose Neck Flush Valve, Catch-On Hangers, Tongued and Grooved Construction.

Size, 17x8	x10 inches	, each\$	8.00
		, each	



#### LOWDOWN ROUND CORNER WOOD TANK

Lowdown Round Corner Wood Tank with Built-Up Cover, Nickel Plated China Index Tube Push Button, Nickel Plated Supply Pipe and Flush Connection; Lowdown Compound Lever Ball Cock and Douglas Pattern Flush Valve; Lined with 8-ounce copper lining; furnished in plain sawed oak or birch mahogany, varnish finished woodwork.

Price, each\$3	2.00
Add for stop in supply	1.00
Add for each 2-ounce heavier lining	.50







Plate A-461

#### **SEAT COVERS**

A-460	Square Back, Full Saddle Seat and Cover with Heavy Cast
	Brass Bar Hinge, Oak or Birch Mahogany Finish \$ 6.50
A-400	white Celluloid Seats
11 101	Plain Seats and Covers, Varnish Finish

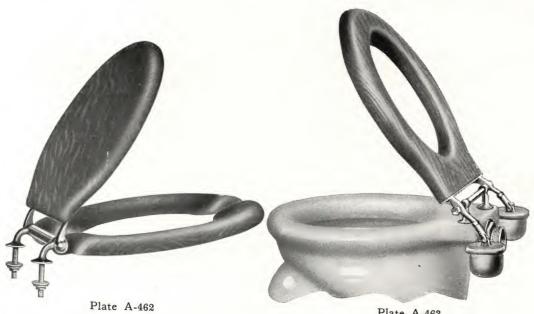


Plate A-463

A-462	Seat Cut Out Front and Back, with Cover and Reinforcing Ring,	
	and Heavy Bar Hinge; Varnish Finish	7.50
A-463	Self-Naising Seat Less Cover Versial Etc. 1	7 50







#### Plate A-465 SEMI-SADDLE SEAT AND COVER

Semi-Saddle Seat and Cover with Heavy Cast Brass Bar Hinge. A-465 Seat and cover, varnish finish..... 



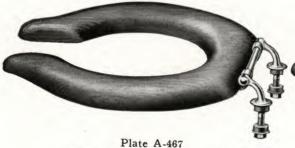
#### Plate A-466 SEAT WITHOUT COVER

Seat without Cover, with Heavy Cast Brass Hinges.

Plate A-468

CRESCENT SEAT

Crescent Seat without Cover, for



## CRESCENT PATTERN SEAT

Crescent Pattern Seat without cover, for raised lip bowls, with Cast Brass Bar Hinge and Reinforcing Ring.

A-467 Crescent Seat without cover, for raised lip bowl, varnish finish....\$6.50

For polished finish, add, each.....

regular bowl; with Heavy Cast Brass Bar Hinge and Reinforcing Ring. A-468 Crescent Seat with cover for regular bowl, varnish finish...... 6.50 Above prices are for varnish finish.

Be careful to state color of woodwork wanted when ordering -whether Natural Oak, Golden Oak or Birch Mahogany. Genuine Mahogany and Cherry will be charged extra.



Bottom View of A-467 and A-468 Showing Reinforcing Ring





## A-470 WHITE PYRALIN SEATS A-471

White Pyralin Seats are the highest grade wood seats possible to make; covered with sheet celluloid, applied by a patent process. These Seats are non-porous and unstainable, as well as acid proof.





## A-472 WHITE PYRALIN SEATS A.

White Pyralin Seats are the highest grade wood seats possible to make, covered with sheet celluloid, applied by a patent process. These Seats are non-porous and unstainable, as well as acid proof.





A-476

#### PEDESTAL SEAT WITHOUT COVER

Each .....\$2.30

#### A-475

#### SEAT AND COVER

Designed to be used where it is necessary to rough in a closet closer than it was intended for, and where the ordinary seat will not stand up, this seat is very practical. Furnished in natural or Golden Oak and Birch Mahogany finishes.

Oak finish	\$5.00
Birch Mahogany finish	5.25



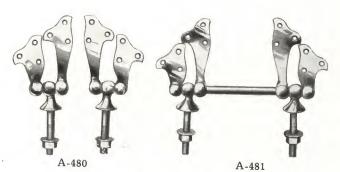
PEDESTAL SEAT WITH

COVER AND BACK

A-478

#### PEDESTAL SEAT WITH **COVER**

A-477	Each	\$4.00
A-478	Each	2.80



#### **CLOSET SEAT HINGES**

#### A-480

N. P.	Clover	Leaf	Pattern	Seat	Hinges,	per
pair						\$1.50
			A_481			

N. P. Bar Seat Hinges, per pair.....\$2.00





#### A-485 A-486 CLOSET SPUD CLOSET SPUD REDUCER A-485

Closet Spud. Each, 2 in., 75c; 11/4 in......\$0.50 A-486

Closet Spud Reducer, 2 in. x 11/4 in., each...\$1.00 Closet Spud Reducer, 2 in. x 11/2 in., each... 1.00

#### CLOSET SCREWS AND WASHERS





A-489 A-490 A-491

N. P. Washers....\$ 3.50 A-490 N. P. Iron Screws. 3.50 N. P. Brass Screws 6.50 A-491 N. P. Washers.... 3.00 A-489 and A-490 Screws and Washers in combination: Iron .....\$ 7.00

Brass ..... 10.00

A-489

Per 100







#### A-484

#### RUBBER BUMPERS

#### A-482

Rubber Seat Bumpers for Screw, per doz..\$0.40

#### A-483

Tack Bumpers, per gro.\$0.80

#### A-484

Oblong Rubber Seat Bumpers, per doz...\$1.20



A-487



A-488

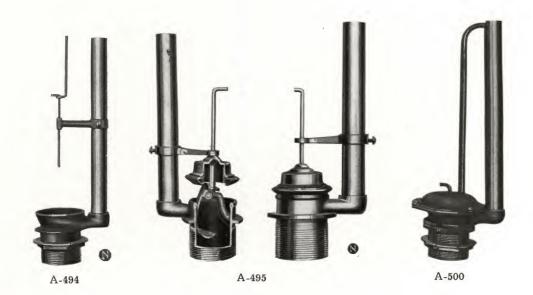
#### TANK LEVERS

#### A-487

Double - Acting Tank Lever, each ......\$0.90

#### A-488

Single - Acting Tank 



#### **FLUSH VALVES**

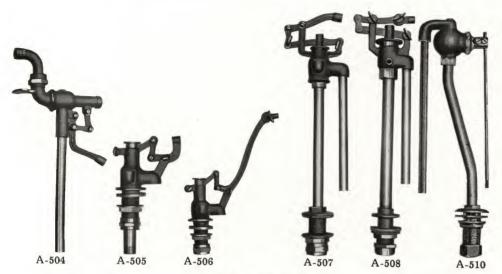
Size 2½ in. 2¾ in.	
A-494 Douglas flush valve, less rubber ball, each\$1.50 \$2.00	
<b>A-494</b> Douglas flush valve, with wires and rubber ball, each. 1.90 2.50	
<b>A-495</b> "Delany" Flush Valve has many advantages over the old style valve in that there is no float, no trip or feather edge washer. It has only	-
one moving part. Is made of cast brass throughout and noiseless in operation.	
The flexible cushion washer is absolutely dripless and cannot pull off.	
Price, each\$3.00	1

#### A-500

#### HYDRAULIC FLUSH VALVE

The Hydraulic has eliminated all tank troubles from poorly made flush valves. It is simple in construction and positive in action. It is impossible to overflow a tank with this valve, for when through accident the water does come up to the top of the one-inch standpipe, the valve will flush automatically. The only working part of this valve is a leather diaphragm made of the highest quality "Vim" leather and will last for years. This valve is often used for automatic flushing tanks. Made for high and low tanks.

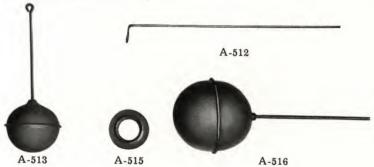
Price, for low tanks,	each\$3.00	
Price, for high tanks	, each	



#### **BALL COCKS**

Ball Cock

		Ball	Complete
		Cock	with Stem
		Only	and Float.
A-504	Top supply ball cock, each	\$1.80	\$2.20
A-505	Bottom supply ball cock, each	1.80	2.20
A-506	Low ball cock for lowdown tanks, each	2.00	2.60
A-507	Elevated ball cock for lowdown tanks, each	2.10	2.70
A-508	Elevated ball cock for lowdown tanks, each	2.30	2.90
A-510	Elevated Silent ball cock, each	3.00	3.60



#### CLOSET TANK TRIMMING

	CLOSETTANK	TRIMMINGS
A-512	Lift rod for Douglas	A-516
	ball, each\$0.08 Douglas ball with stem, each50	4-inch copper float with spud only, each\$0.30 5-inch copper float with spud
A-513	Douglas ball, less stem, each, 2 inches	only, each
A-515	1½-in. 1½ in.  Syphon valve washer, each\$0.12 \$0.15	210at 10d5, Catta, Catti



China Bolt Cap A-517





China Escutcheon A-519

Chin A	a SI -520	
Cap:		

China Ells A-523

China Bolt Cap for use over closet bolts; made in two sizes, $1\frac{15}{16}$
inch and $\frac{15}{16}$ -inch. List, each
China Escutcheons. A much more serviceable article for use on N. P.
supply and waste pipes than the N. P. Spun flanges.
Sizes 3/8-inch 1/2-inch 11/2-inch
Price, each \$0.15 \$0.18 \$0.20
China Shields for straight connections on lowdown closets, cover-
ing the N. P. Hush pipe which soon tarnishes and presents an
unsightly appearance. Price, each\$3.20
China Flush Elbow Connection, only



A-525





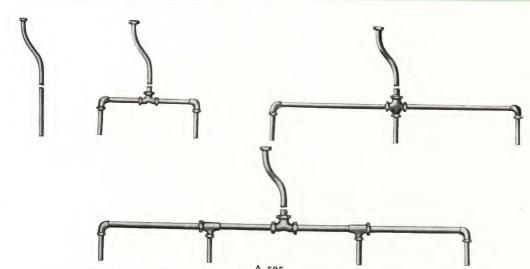


A-528



A-530

	E	ach,	Price, with Nuts and Washers
A-525	N. P. Elbow Flush Connection, 2x4x6 inches	1.50	\$1.90
A-525	N. P. Elbow Flush Connection, 2x5x8 inches	1.60	$\frac{$1.50}{2.00}$
A 507	N. P. Straight Flush Connection, 2x6 inches	.85	1.25
A-527	N. P. Offset Flush Connection	1.20	1.60
A-928	N. P. Elbow Flush Connection, 14x6 inches		1.25
A-328	N. P. Elbow Flush Connection, 13/x11/x6 inches		1.35
A-528	N. P. Elbow Flush Connection, 1\(\frac{1}{2}\text{x1}\cdot\frac{1}{4}\text{x6}\) inches		
A-530	N. P. Extension Flush Pipe Holder and Buffer 11/4		1.50
	or $1\frac{1}{2}$ inch	• • •	.60



FINISHED OR NICKEL PLATED FLUSH PIPES FOR USE WITH AUTOMATIC URINALS

O C: 11	AUI	OMATIC URL	NALS	
One-Stall		\$ 2.00 Thre	e-Stall	\$ 0.00
Two-Stall		6.00 Four	-Stall	\$ 9.00 14.00
r P	E100		Stail	14.00
			Я	
1	1/1			
		- 1		
				CH
				10
- 10				
10				
A-538	A-539	A-540	A-541	
		11-010	M-041	A-543

## NICKEL PLATED FLUSH AND SUPPLY PIPES FOR HIGH AND LOW CLOSET TANKS

C:			
Size, inches 11/4	11/2	Size, inches 3/8	1/
A-538 Straight Flush. \$1.50	\$2.25	A-540 Straight Supply 62 95	\$4.50
A-539 Offset Flush 1.75	2.75	A-541 Offset Supply 3 50	1 77 5
A-8	543 Low	Tank Supply	1.10







Plate A-550

## SOLID PORCELAIN URINAL STALLS WITH INTEGRAL PORCELAIN FRONT SHIELDS

This Urinal is desirable on account of the low height and is made in two widths, suitable for school and factory use; equipped with Sloan Flush Valve and Brass Urinal Strainer.

#### **DIMENSIONS**

Height over all, top to bottom, inches	4
Height from floor line to top of urinal, inches371	2
Extreme depth from front of lip to wall, inches15	
Widths, inches	

	18-inch	24-1nch
Price, per single stall only, Class "A"	.\$38.00	\$45.00
Price, per single stall only, Class "B"		32.00
Price, per single stall, complete with fittings, Class "A"		67.00
Price, per single stall, complete with fittings, Class "B"		54.00
No. 95 N. P. Royal Flush Valve with China Oscillating	O'	
Handle	. 16.00	16.00
N. P. Strainer and Slip Nut	2.40	2.40
N. P. Brass Outlet Strainer	4.00	4.00



Plate A-557

## "NATIONAL" PORCELAIN URINAL STALLS WITH LOW TOPS AND VITREOUS CHINA FLUSH TANK

Urinals, Side Slabs, Floor Slabs, Front Columns, Top Pieces and Seam Covers Glazed White Porcelain; fitted with Nickel Plated Brass Bell Spreaders, with Flush Connections and Nickel Plated "T" Connection and Flush Pipes to Tank, Nickel Plated Brass Urinal Strainers and Floor Flanges; Flush Tank of Vitreous China, fitted with Automatic Flushing Fixture.

PRICE LIST AND DIMENSIONS

DIMENSIONS—Height from floor to top of stalls, 40¾ inches; width, over all, two-stall set, 5 feet; width, over all, three-stall set, 7 feet; width, over all, four-stall set, 9 feet.

For every additional part, add two feet for over-all dimensions.

1 of every additional part, add two rect for over an am	iciioioiio.	
C	lass "A"	Class "B'
List: Single urinal, with floor slab, top piece, side slab and		
front columns only, no fittings	75.00	\$52.50
List: Two-stall urinal, as above	140.00	98.00
List: For each additional urinal, to make larger batteries,		
add	65.00	45.50
List: Four-gallon vitreous china tank	19.00	19.00
List: N. P. brass spreaders, with N. P. slip nut, for ½-inch		
iron pipe size supplies, each	2.40	2.40
List: N. P. brass flush connection, complete from tank to		
spreader for one-part	2.10	2.10
Same for two-part	4.00	4.00
Same for three-part	5.00	5.00
List: N. P. brass outlet strainers, each	4.00	4.00

#### A-560 URINAL STALL

Solid Porcelain Urinal Stall with Integral Porcelain Front Shields. This urinal can be used in batteries, as per diagram at bottom of page, when automatic tank can be furnished suitable for the desired number of stalls. Stalls are made in two widths:

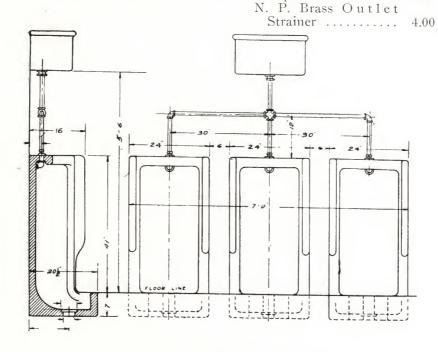
18-inch width
Height from floor to top, 42 inches
Depth from front to wall, 20 inches
24-inch width

Height from floor to top, 48 inches Depth from front to wall, 20 inches

4.00



Plate A-560



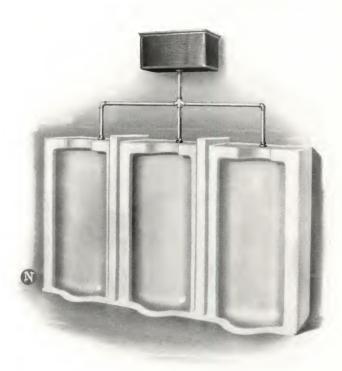


Plate A-563

#### **URINAL STALLS**

Solid Porcelain Urinal Stalls; each stall complete in one integral piece, including seam cover, glazed pure white over all, flushed by automatic oak tank complete with nickel plated brass flush pipes, nickel plated brass spreaders and lock nut and nickel plated outlet strainers.

#### DIMENSIONS

Width over all, 24 inches; size, two-stall, 48 inches; three-stall, 72 inches; 18-inch size, two-stall, 36 inches; three-stall, 54 inches.

Height from floor to top of stalls, 44 inches.

Distance from extreme front of lip to wall, 181/2 inches.

Distance from center of outlet to wall, 12 inches.

In ordering, be sure to state width of stall wanted and class of ware.

9,					
PRICE				24-inch	18-inch
List, three-part battery, "A" qualityco	mplete	e with	fittings	\$206.25	\$161.25
List, three-part battery, "B" quality		4.4		152.25	120.75
List, two-part battery, "A" quality		4.6		137.50	117.50
List, two-part battery, "B" quality		* *		101.50	80.50
List, nickel plated fan spreaders, each					. 4.00
List, nickel plated flush pipes, three-part					6.00
List, nickel plated flush pipes, two-part.					. 5.00
List, china tank, three-part					. 21.00
List, china tank, two-part					. 18.00
List, oak tank, three-part					. 12.50
List, oak tank, two-part					. 11.00
Prices on outlet strainers as per p	rices	given	under	urinal s	trainers.
depending on style used.		0			, ,



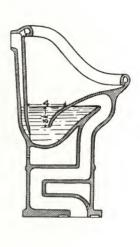


Plate A-565

#### THE "NATIONAL" PEDESTAL URINAL

The National Pedestal Urinal shown above is the cleanest and best urinal the market affords, because all cigar butts and other waste matter are removed by each flush.

The opening through the trap is as large as that of most closets, and works with a syphonic action that makes stopping up practically impossible.

The juvenile size is especially designed for children and should be in every school or institution on account of its cleanliness.

#### DIMENSIONS

Stall 5 feet high, 2 feet wide, 2 feet deep.

Price, as shown above with vitreous tank and Italian marble stall of above dimensions, complete .......\$120.00



Plate A-567

#### SOAPSTONE URINAL STALLS

This is probably the design most generally used in urinal stalls. Can be made with any number of stalls and any desired dimensions, in a single row, as shown, or double, with back in center and stalls on each side, approachable from either side. Height of stall 5 feet, width 2 feet, depth, ends and partitions, 20 inches, with 1½-inch back and partitions, 2-inch base and 6-inch gutter cut in stone floor, complete with waste connections, clamps and perforated washdown pipe of polished brass.

Price, single face, two stalls, as shown	6.00
Additional single stalls, per stall	5.00
Price, double face, four stalls	0.00
Additional double stalls, per double stall 4	2.50



Plate A-568

#### SOAPSTONE URINAL STALLS

The above is the most sanitary ventilated urinal of its kind ever shown and has been adopted by a number of school boards throughout the country.

The water supply is through perforated pipe, washing the exposed surface in a most thorough manner, insuring the highest degree of cleanliness. This fixture is constructed entirely of soapstone, with separate stone gutters, set in floor and pitched to waste either right or left, as desired.

#### DIMENSIONS

 $4\frac{1}{2}$  feet high, 18 inches wide on centers, ends 28 inches deep, partitions 18 inches deep.

Prices on request, covering any number or size of stalls.



Plate A-569

## SOAPSTONE URINAL STALLS FOR SCHOOLS AND PUBLIC BUILDINGS

Height of stall, 4 feet 6 inches; depth of ends, 20 inches; back and ends, 1½ inches; 2-inch base with 6-inch gutter cut in stone floor, with waste connection, clamps and perforated washdown pipe of polished brass. Can be furnished any length, single, as shown, to go against the wall, or double, with back in center and stall on each side.

#### **DIMENSIONS**

4 feet	6 feet	8 feet	10 feet	12 feet
Price, single face\$45.00	\$ 65.00	\$ 85.00	\$105.00	\$125.00
Price, double face 85.00	115.00	150.00	185.00	220.00



Plate A-570

#### A-570 ROLL RIM LIPPED PUBLIC URINAL

Enameled Iron Roll Rim, Lipped Public Urinal on Concealed Hangers, with Center Outlet and Brass Beehive Strainer; fitted with Automatic Oak Flushing Tank with Brass Perforated Washdown Pipe; Urinal Enameled Inside and Painted Out.

and I amited Out.
Price, com-
No. of plete, as
Length Lips described
24 in\$23.50
30 in 25.00
36 in2 30.00
42 in 31.50
48 in 34.00
60 in3 40.00
Add for enameled
iron tank\$3.00
Add for P trap 3.00

### A-572

#### LIPPED PUBLIC URINAL

Porcelain Enameled Iron Lipped Public Urinal with Center Outlet, having Brass Beehive Strainer; fitted with Brass Perforated Washdown Pipe with Loose Key Stop; Enameled Inside and Painted Out.



Plate	A-572
-------	-------

		Price,			Price,
*	No. of	complete,		No. of	complete.
Length	of Lips	as described	Length	of Lips	as described
24 inches	1	\$15.50	40 * 4	*	
30 inches	1	17.00	48 inches	2	\$25.50
36 inches	2	22.00	60 inches	3	34.00
42 inches	2	24.00	Add for P tr	ap	3.00



Plate A-573

#### A-573

## IRON ROLL RIM PUBLIC URINAL

Porcelain Enameled Iron Roll Rim Public Urinal with Center Outlet; fitted with Brass Beehive Strainer and Automatic Oak Tank with Brass Flush Pipe, connecting with Brass Perforated Washdown Pipe.

	Price,
	complete,
Length	as described
24 inches	\$20.00
30 inches	22.00
36 inches	23.80
42 inches	25.50
48 inches	27.00
60 inches	34.00
Add for ena	ameled
	k 3.00
Add for P	trap 3.00

### A-575 IRON PUBLIC URINAL

Porcelain Enameled Iron Public Urinal with Center Outlet; fitted with Cast Brass Beehive Strainer and Brass Perforated Washdown Pipe with Loose Key Stop.



#### Plate A-575

	Price,		Price,
	complete,		complete,
Length	as described	Length	as described
24 inches	\$13.00	48 inches	\$20.00
30 inches		60 inches	25.00
36 inches	16.00	Add for P trai	3.00
42 inches	18.00		0.00





#### FLAT BACK URINALS

White Vitreous China Flat Back Urinals with Lip, Flush Rim, Back Inlet and Back Outlet; have large water surface and deep seal.







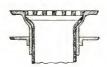






#### **BRASS URINAL STRAINERS**





A-593 Nickel Plated Strainer with removable grate. Inside diameter of outlet, 2<sup>1</sup>/<sub>4</sub> inches. Made in two sizes.

Price, 4½-inch diameter top ......\$3.00

Price, 5-inch diameter top ..... 3.25



#### RAISED BRASS STRAINER FOR URINAL TROUGH

A-597			
Size, inches	$1\frac{1}{2}$	$1\frac{1}{2}$	2
Size of flange, inches 3	3	$3\frac{1}{2}$	4
Price per dozen, finished\$30.00	\$42.00	\$48.00	\$60.00
Price per dozen, nickel plated 36.00	48.00	54.00	66,00



# DRINKING FOUNTAINS







Plate A-600

## A-600 THE "NATIONAL"

The "National" White Vitreous China Pedestal Drinking Fountain, arranged with Vitreous China Bubbling Cup, Supply and Waste inside of Pedestal, and with Loose Key Controlling Valve and Self-Closing Faucet on Side.

Height 30 inches Diameter of top  $10\frac{1}{2}$  inches Diameter of base 15 inches

Price, complete, as described......\$30.00

## A-601 THE "NATIONAL"

The "National" White Vitreous China Pedestal Drinking Fountain, arranged with Vitreous China Bubbling Cup; fitted with Constant Stream Supply and Waste inside of Pedestal.

Height 30 inches
Diameter of top 10½ inches
Diameter of base 15 inches

Price, complete, as described......\$33.00



Plate A-601





## A-603 THE "NATIONAL"

The "National" White Vitreous China Drinking Fountain on Galvanized Iron Standard; with Supply and Waste Pipes coming through Standard. This fountain is principally used in public places where continuous flow is required. It can also be furnished with self-closing faucet which operates at the side.

Height 30½ inches
Diameter of fountain 13½ inches
Diameter of standard
at floor 14 inches
Price, complete, as described.......\$20.00
Add for self-closing faucet at side...... 3.00

Plate A-603

## A-605 THE "NATIONAL"

The "National" White Vitreous China Round Drinking Fountain with 6-inch Integral Back; fitted with Vitreous China Bubbling Cup, Enameled Iron Trap, Nickel Plated Brass Supply and Waste and Concealed Hangers.

Diameter of bowl 13 inches Wall to front of bowl 15 inches Extreme height on wall 9½ inches Price, complete, as described.\$30.00



Plate A-605



Plate A-606

#### A-606 THE "NATIONAL"

The "National" White Vitreous China Round Drinking Fountain with 6-inch Integral Back; fitted with Vitreous China Bubbling Cup, Nickel Plated Brass Trap, Nickel Plated Brass Supply with Loose Key Stop and Lever Acting Self-Closing Valve.

Diameter of Bowl......13 inches Wall to front of bowl.....14 inches Extreme height on wall... 9½ inches Price, complete, as described....\$14.00

## A-607 THE "NATIONAL"

The "National" White Vitreous China Wall Pattern Drinking Fountain with Vitreous China Bubbling Cup. This fountain is particularly adapted to factory use, where constant flow is required. It is fastened to the wall by means of concealed hangers and fitted with nickel plated brass trap and supply.

mat.	
Diameter of bowl $10\frac{1}{2}$	inches
Wall to front of bowl12	inches
Extreme height on wall101/2	
Price of fountain, less trap and	1
supply	.\$12.50
Add for enameled iron trap and	
nickel plated supply with loose	e
key stop	. 12.00



Plate A-607



A-609

## A-609 THE "NATIONAL"

The "National" White Vitreous China Swelled Front Drinking Fountain with Integral Back; fitted with Vitreous China Bubbling Cup, Enameled Iron Trap, Nickel Plated Brass Supply and Concealed Hangers. This fountain is a constant flowing fountain.

Length18	inches
Projection14	inches
Height13	inches
Price, complete, as described.	.\$45.00

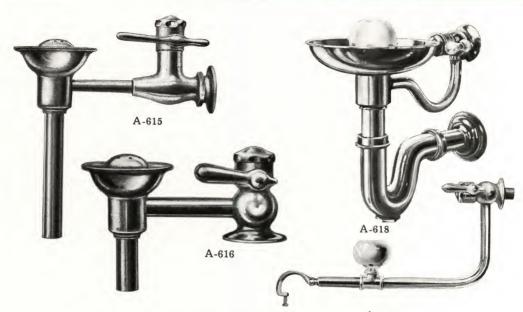
## A-610 THE "NATIONAL"

The "National" White Vitreous China Swelled Front Drinking Fountain with Integral Back; fitted with Two Vitreous China Bubbling Cups, 1½-inch Nickel Plated Adjustable Trap to Wall, Nickel plated Brass Supply Pipes with Loose Key Angle Stops to Wall and Concealed Hangers.

Length24	inches
Projection14	inches
Height15	inches
Price, complete, as described.	.\$46.00



A-610



A-617

NICKEL PLATED BRASS BUBBLING CUPS

basin cock connection.

NICKEL PLATED BRASS DRINKING FOUNTAIN

A-618 Nickel Plated Brass Drinking Fountain with Lever Handle Self-Closing Regulating Valve with Male Thread for ½-inch Iron Pipe, Nickel Plated Spun Brass Receptor, and Vitreous China Bubbling Head, Adjustable Nickel Plated Brass Trap to Wall.



A-619

WALL DRINKING FOUNTAINS

Wall Drinking Fountains, A-619 and A-622, having Porcelain Enameled All Over Bowl, 10 inches in diameter and 3 inches deep. A-624 having Vitreous China Bowl 9½ inches in diameter and 4 inches deep, all having 1¼-inch galvanized iron pipe waste to wall and ¾-inch galvanized iron supplies from wall.

A-619 has china bubbling head, operated by brass self-closing ring. Price, each......\$13.00 A-622 has china bubbling head and self-closing regulating stop cock with union at back.

BRASS GOODS

BATH ROOM

ACCESSORIES



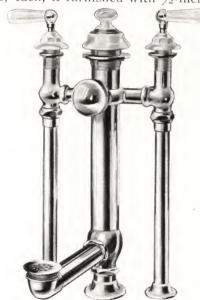
NATIONAL PLUMBING & HEATING SUPPLY COMPANY





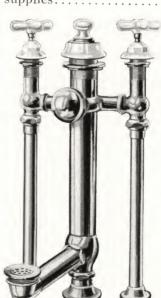
#### **BATH FIXTURES**

A-625 "Wallever" Bath Fixture having concealed Compression Supply Valves with China Lever Handles, China Escutcheons and large Supply Hose Nozzle, with concealed Standing Waste, for baths to tile in wall. Valves measure 3 inches from center to face of wall and are arranged to locknut on wall 1 to 1¾ inches thick. No supply pipes furnished. All handles hang straight down when valves are closed and waste is open.



A-630





A-635

Note: Any of the above fixtures can be furnished with low bell instead of high bell. A-625 fixture can be furnished with bell instead of nozzle, and A-630 and A-635 fixtures can be furnished with hose nozzle instead of bell.

All of the above valves can be re-washered from front of wall or through the rim of bath tub, making it unnecessary to take the fixture from its place.



#### **BATH FIXTURES**

A-636 Through-the-Rim Bath Fixture having Compression Supply Valves with Solid China Cross Arm Handles, Nickel Plated Escutcheons, extra large Supply Nozzle with Hose Attachment and Exterior Waste, with China Knob and Nickel Plated Escutcheon. Supply Pipes ¾-inch Iron Pipe Size; tail-piece of waste 1½ inches, outside diameter.

A	/ -	,		
Price, eac	h			\$18.00
Price, eac	h, if furnished	d with 1/2-incl	n supplies	14 00

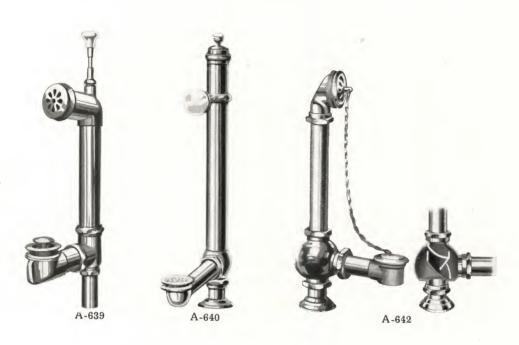
A-637 Bath Fixture having Compression Supply Valves with Solid China Cross Arm Handles, Hose Nozzle Supply and 2-inch Exterior Waste with China Knob. Supply Pipes ½-inch Iron Pipe Size; tailpiece of waste 1½ inches outside diameter.

Price,	each						 	 	. \$16.50
Price.	each.	if v	with	china	1ever	handles			19.00

A-638 Bath Fixture having Compression Supply Valves with Solid China Cross Arm Handles and High Bell Supply, 2-inch Exterior Waste with China Knob. Supply pipes ½-inch Iron Pipe Size; tailpiece of waste 1½ inches outside diameter.

Price, each		 16.50
Price, each,	, if with china lever handles	 19.00

Note: All of the above fixtures can be furnished with low bell supply instead of high bell, as shown, and can be furnished with china lever handles with quick compression valves.



### **BATH WASTES**

A-639 Bath Waste with Pop-Up Plug and China Knob. This waste is very simple in construction and operates by lifting knob to open and push down to close. Tailpiece of waste 1½ inches outside diameter, with cast floor flange and thimble.

A-642 Nickel Plated Waste and Overflow and Anti-Siphon Trap Combined. This trap is often used where space does not allow the use of cast iron drum trap. It is absolutely sanitary and easy to install or remove without disturbing balance of fixture. Tailpiece of waste  $1\frac{1}{2}$  inches outside diameter.

Price ......\$7.00



Nickel Plated Combined Waste and Overflow

# COMBINATION WASTE AND OVERFLOW

#### A-645

Nickel Plated Combination Waste and Overflow, size 13% inches, made of heavy Brass Tubing and with Cast Brass Tee, Overflow, Strainer and Waste Plug.

Price, each ......\$2.00

#### A-646

Nickel Plated Combination Waste and Overflow, 13/8-inch size, with Slip Joint on Waste and Overflow, making it easily adjusted to any tub. Tee, Overflow, Strainer and Waste Plug, Cast Brass.

Price, each ......\$2.75



A-648



A-650

#### BATH COCKS

#### A-648

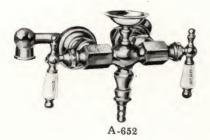
Quick Compression Combination Bath Cock with China Lever Handles, which can be adjusted to hang straight or at any angle desired.

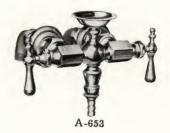
This bath cock fitting close to the tub is a space saver and requires less work to clean.

#### A-650

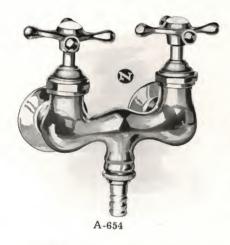
Combination Fuller Round Body Bath Cock with China Indexed Handles.

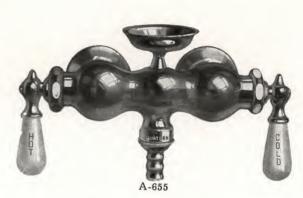
This bath cock is preferable to the old style hexagon body cock with the unsightly jewel cup, as it is much easier cleaned and more sanitary.





#### **BATH COCKS**

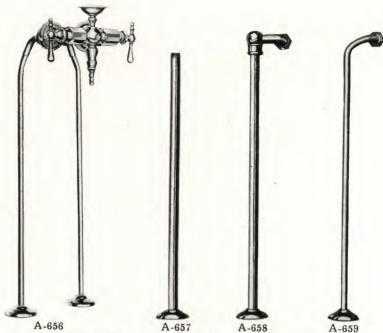




A-654 Compression Bath Cock with China Indexed Handles.
Price, complete, with coupling nuts and tailpiece. \$3.00
Price, less coupling nuts and tailpiece. 2.60
Add for four-arm china handles on valves. .60

A-655 Quaturn Side Handle Compression Bath Cock with China Indexed Handles.
Price, complete with coupling nuts and tailpieces. 4.50
Price, less coupling nuts and tailpiece. 4.10

All Quaturn bath cocks have a special and exclusive pattern of construction which makes the hot and cold water mix thoroughly and gives a solid non-spreading stream, even with the hose nozzle removed.



COMBINATION FULLER BATH COCK

NICKEL PLATED BATH SUPPLY PIPES

A-657 ½-inch Nickel Plated Full Iron Pipe Size Supply Pipes, 20½ inches long, with flanges. Price, per pair. \$2.00

A-658 ½-inch Nickel Plated Full Iron Pipe Size Ball Offset Supply Pipes, 20½ inches long, with flanges. Price, per pair. \$3.00

A-659 ¾-inch Heavy Annealed Nickel Plated Offset Bath Supplies with Flanges and Coupling Nuts for ½-inch Iron Pipe Floor Connection. Price, per pair. \$1.80

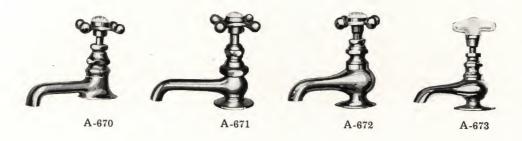




A-666 A-667 A-668

A-664 Nickel Plated Slip Joint Coupling Nuts with Gaskets and Brass Friction Rings.

	Size of	
Size of	O. D. Tube,	Price.
I. P. Thread	Fitted for	Each
3/8-inch	$\frac{7}{16}$ -inch	\$0.10
½-inch	16-inch	.14
½-inch	16-inch	.14
11/4-inch	1¼-inch	.17
$1\frac{1}{4}$ -inch	13/8-inch	.17
1½-inch	1¼-inch	.18
1½-inch	13/8-inch	.18
1½-inch	1½-inch	.18
2 -inch		.20
A-665 Rea	amed Couplin	g Nuts
with Friction	n Rings and	Washers
for Bath Coo	cks.	
Price, per pa	ir	\$0.20



# **BASIN COCKS**

	Per Doz.
A-670	China Indexed "Midget" Compression Basin Cocks\$32.40
A-671	China Indexed Semi-Lowdown Compression Basin Cocks 42.00
A-672	China Indexed Full Size Compression Basin Cocks 47.40
A-673	Four Arm China Handle Full Size Compression Basin Cocks 53.40



# **BASIN COCKS**

	Per Doz.
A-675	Quaturn Basin Cocks with China Indexed Handles\$30.00
A-677	No. 0 Fuller Basin Cocks
A-678	No. 0 Fuller Basin Cocks with Union
A-679	Round Body Fuller Basin Cocks with China Handles 48.00







# **BASIN COCKS**

	Per Doz.
A-680	"Ryco" Ball Bearing Self-Closing Basin Cocks\$69.60
A-685	Fuller Basin Cocks with China Lever Handle and China In-
	dexed Top 72.00
A-686	"Ryco Junior" Ball Bearing Self-Closing Basin Cocks 60.00

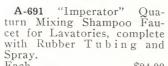


### **BASIN COCKS**

A-687	Fuller Basin Cocks with China Lever Handle and China Indexed Top. Per dozen\$69	9.00
A-688	"Imperator" Quaturn Combination Mixing Faucet for Lavato-	
	ries. Price, each	1.00
A-689	Lever Handle Self-Closing Basin Cocks. Per pair	7.00
	If with China Indexed Top. Per pair	7.50
	If with China Indexed Top and Plain China Handle. Per pair 8	8.00
A-690	Fuller Bracket Swinging Basin Cock with Solid Flange, 1/2-inch	
	Female Thread. Per dozen 83	1.00

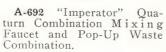
Note: A-688 Combination Mixing Faucet enables user to wash in tempered running water; has same size shank as ordinary basin cock; tailpiece measures 13/4 inches center to center, but as cock sets on angle, pipes should be roughed in at wall about 1½ inches apart, one somewhat above the other.







Combination.





A-695

A-695 Pop-Up Lavatory Waste for Bowls with Over-flow, Full Waterway through plug, with wide range of adjustments.

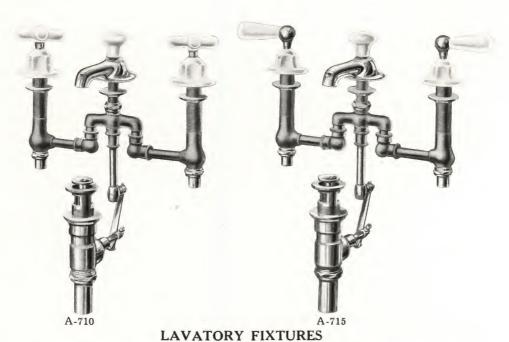
Each A-700 "Unit" Combination Waste and Supply Fixture which fits the average lavatory, cut for Bi-transit waste and two faucets.

A-700



Each ......\$14.00 If with china lever handles, each ..... 14.50 A-705 If with china lever handles and china escutcheons, each.\$15.00 A-705 "Unit Acto" Combination Pop-Up Fixture will fit any vitreous lavatory drilled for chain stay back of overflow,

and regular cock holes.



with China Lever Handles, China Escutcheons and Pop-Up Waste 



### **BI-TRANSIT BASIN WASTES**

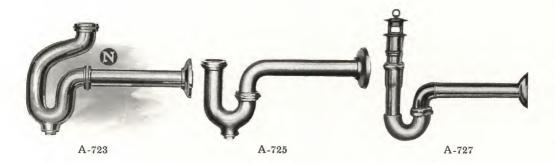
A-720 Bi-Transit Basin Waste with China Knob. Each......\$5.50

A-721 Bi-Transit Basin Waste with China Indexed Top. Each.... 5.20

Tailpiece for the Wastes, 11/4 ins. O. D. These basin wastes have wide range of adjustment and are full size.

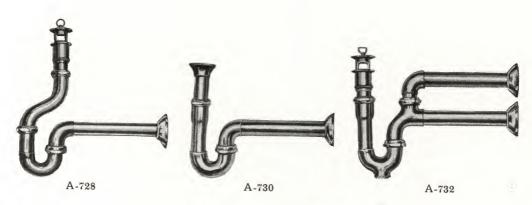


A-721



# NICKEL PLATED TRAPS

Size, ii	nches	$1\frac{1}{2}$
A-723	Nickel Plated, Cast Brass Bag Offset P Trap, with ground joint and cleanout screw\$3.00	\$4.00
A-725	Nickel Plated, Cast Brass P Trap, with trap screw cleanout and low inlet, for ideal waste lavatories 2.75	3.50
A-727	Nickel Plated, Cast Brass P Trap, with P. O. plug 2.50	3.50



# NICKEL PLATED TRAPS

Size, inches		
	Nickel Plated, Cast Brass Adjustable Bag Offset P	,
	Trap, with P. O. plug\$3.00	\$4.00
A-730	Nickel Plated, Cast Brass P Trap with sink connection. 3.30	3.80
A-730	Nickel Plated, Cast Brass P Trap less sink connection. 2.70	3.20
A-732	Nickel Plated, Cast Brass P Trap Vented, with P. O.	
	plug and trap screw cleanout	5.00
Deduct	for trap screw cleanout	.20



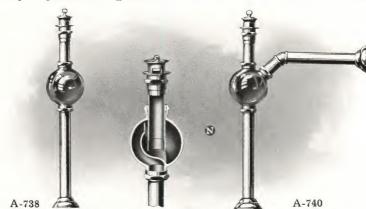




A-736

****		
NICKEL	PLATED	TRAPS

	NICKEL PLATED TRAPS —Size,	Inches—
	$1\frac{1}{4}$	$1\frac{1}{2}$
A-734	Nickel Plated Cast Brass S Trap with P. O. Plug \$2.80	\$3.50
A-735	Cast Brass S Trap, vented, with P. O. Plug 4.00	5.00
A-736	Cast Brass Anti-Siphon S Trap with P. O. Plug, small	
	size 5.00	
A-736	Cast Brass Anti-Siphon S Trap with P. O. Plug, large	
	size 5.50	6.20
A-736	Trap can be furnished in the P pattern, small size 4.80	
A-736	Trap P pattern, large size 5.30	6.00



**NICKEL PLATED TRAPS** 

—Size, Inches— 11/2 11/4

at same price.



# NICKEL PLATED CONTINUOUS LAVATORY WASTES

	—Size,	Inches-
	11/4	
A-743	Two-Bowl Waste, nickel plated\$ 5.00	\$ 6.50
A-743	Three-Bowl Waste, nickel plated 7.75	10.00
A-743	Four-Bowl Waste, nickel plated 11.00	14.00
A-745	Two-Bowl Waste, nickel plated 6.10	8.40
A-745	Three-Bowl Waste, nickel plated 8.00	10.25
A-745	Four-Bowl Waste, nickel plated	15.60
T. C.	13.10	19.00

If wanted rough brass, deduct 5% from the above prices.

If P. O. plugs are not wanted, deduct 45 cents per bowl from the above prices.

The above prices are based on wastes measuring 24-inch centers.



Brass Solder Bushings

Trap Connections

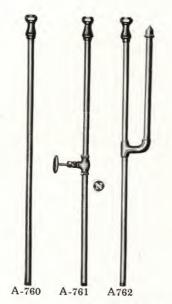
		1-748	
Size, 1		\$0.20	
Size, 1	½-inch I. P. for 1¼-inch O. D. Tube	.24	
	½-inch I. P. for 1½-inch O. D. Tube	.24	
Size, 2	-inch I. P. for 1½-inch O. D. Tube	.40	
A-750	P. O. Basin Plug with 4-inch slip	.70	
A-750	P. O. Basin Plug with 8-inch slip.	.90	
A-751	Nickel Plated Sink Connection, either 11/4-inch or 11/2-inch	.70	
A-752	Nickel Plated Bag Offset, 1½x3 inches	1.90	
	1½x3½ inches		
	$1\frac{1}{2}x3\frac{1}{2}$ inches		



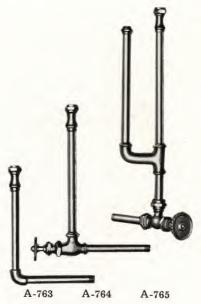
# A-755 BRASS VENT TEE

With Vent and Outlet tapped for Iron Pipe and with Short Inlet; fitted with Nickel Plated Slip Joint Nut, Friction Rings and Washers.

# A-757 BRASS VENT TEE



A-768



# NICKEL PLATED LAVATORY SUPPLIES 3%-inch I. P. Size.

A-760	Straight suppliesper	pair	\$2.70
A-761	Straight supplies, with stopsper	pair	4.70
A-762	Straight supplies, with air chamberper	pair	4.70
A-763	Angle suppliesper	pair	2.70
A-764	Angle supplies, with stopsper	pair	4.70
A-765	Angle supplies, with air chamberper	pair	6.50
		1	00

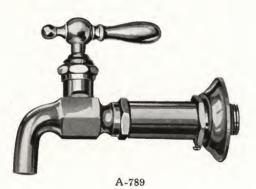


	A-100	A-110	H-111		I CI I all
A-768	$\frac{9}{16}$ -inch an	nealed straight	supplies to fi	t basin cocks	\$2.20
A-769	Handy bas	sin supplies wit	h angle stops	8	3.50
A-770	Speedy bas	sin cock connec	tions, elbow 1	oattern	
A-770				battern, 8 ins. lo	
A-771	Speedy bas	sin cock connec	tions, stroigh	t pattern	50
A-775		ed brass pipe a			arm.
	7-inch No	. 16 gauge nick	el plated ann	ealed tubing	\$0.22
				ealed tubing	
	11/4-inch O	. D. No. 17 gau	ge nickel pla	ted brazed tubi:	ng50
	13/8-inch O	. D. No. 17 gau	ige nickel pla	ted brazed tubi	ng54
	1½-inch O	. D. No. 17 gau	ige nickel pla	ted brazed tubi:	ng60
	11/4-inch I.	P. S. nickel pla	ated brass pip	e	2.40
	1½-inch I.	P. S. nickel pla	ited brass pip	e	2.70





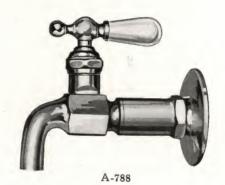






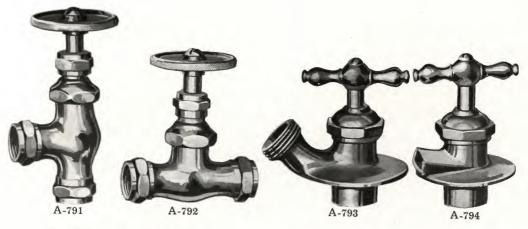


A-787



**FULLER BIBBS** 

Size,	inches	$\frac{I}{2}$	5/8	3/4
A-785	N. P	\$31.80	\$36.00	\$49.20
A-785	Finished	27.00	31.20	42.00
A-786	N. P	28.20	32.40	45.60
A-786	Finished	23.40	27.60	38.40
A-787	N. P	34.20	39.60	54.50
	Finished			47.40
	N. P			63.60
	Finished			56.40
A-789	N. P	38.40	43.80	60.00
	Finished		39.00	52.30
A-790	N. P	36.60	43.20	57.60
A-790	Finished	31.80	48.40	50.40
Add f	or hose ends			
to	any of the			
abo	ve plain bibbs	3.60	3.60	3.60
Add f	or china han-			
dles	on any of			
the	above brass			
hane	dle bibbs	9.00	9.00	9.00



# COMPRESSION STOPS

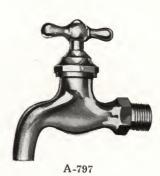
Size, inches 3/8	1/2	5/8
Nickel plated, per doz\$26.40	\$31.20	\$37.80
Finished, per doz 22.80	27.60	34.20
Nickel plated with slip joint at one end, per		
doz 29.40	36.00	46.80
Finished with slip joint at one end, per doz 25.80	32.40	43.20

# STUB COMPRESSION WASH TRAY BIBBS

Size, ii	nches	5/8
	N. P., per doz\$27.00	
	Fin., per doz 23.40	
	N. P., per doz 24.00	
	Fin., per doz 20.40	

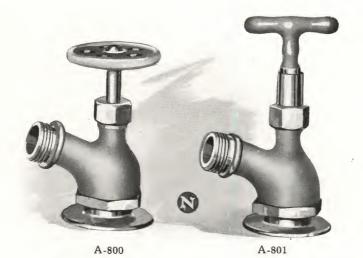






# COMPRESSION BIBBS

Size, i	nches	3/8	1/2	5/8	3/4	1
A-795	Nickel plated, per dozen	\$28.20	\$29.40	\$36.00	\$46.20	\$79.20
A-795	Finished, per dozen	24.60	25.80	32.40	42.00	73.20
A-796	Nickel plated, per dozen	25.20	26.40	31.80	40.20	73.20
A-796	Finished, per dozen	21.60	22.80	28.20	36.00	67.20
A-796	Rough	19.80	20.40	25.80	33.60	61.20
A-797	Nickel plated, per dozen	22.20	23.40	28.80	37.20	66.00
A-797	Finished, per dozen	18.60	19.80	25.20	33.00	60.00
A-797	Rough	16.80	17.40	22.80	30.60	54.00





4-802



A-803

# COMPRESSION SILL COCKS

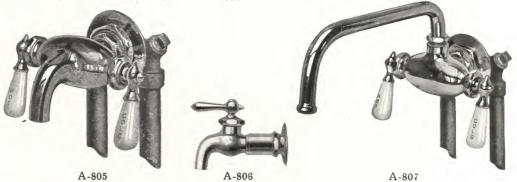
3/4-inch Hose Thread on Nozzles. Made in two sizes: 1/2 and 3/4 inch.

	A-800	A-801
	Wheel	Loose
	Handle	Key
Rough N. P. Per doz	. \$28.80	\$33.60
Finished. Per doz	. 28.80	33.60
N. P. Per doz	. 33.00	37.80

# COMPRESSION BOILER DRAIN COCKS

3/4-inch Hose Threads.

				-	—Per	Doz.—
Size, in	nches				I/2	5/8
A-802	Rough	N.	Ρ.	 .\$	19.20	\$24.60
A-803	Rough	N.	Ρ.		17.40	22.80



A-805	"Imperator" Quaturn Combination Mixing Faucet	with Solid Spo	out,
	for Kitchen Sinks. Price, each		\$11.00
A-806	Quaturn Solid Flange Detachable Shank Sink Bibbs	3:	
Size, ir	ches	1/2	5/8
	plated, per doz	\$31.80	\$41.40
Nickel	plated, per doz., with hose end	34.80	45.60
A-807	"Imperator" Quaturn Mixing Faucet with Swi	nging Spout,	for
	Kitchen or Pantry Sinks Price each		14.50



A-810





A-809

A-809 "Imperator" Quaturn Combination Mixing Faucet with Goose 

A-811 N. P. Quaturn Pantry Cock with China Indexed Handles. Price,

per doz. .



A-812

A-812 N. P. Quaturn Combination Mixing Faucet with Swinging Spout, for Kitchen Sink. Connections for 1/2- and 3/4-inch Iron Pipe, Male or Female. Adjustable for inlet connections from 4- to 8½-inch centers; extends into sink only 33% inches. Spout has a radius of 6 inches and can be pushed back out of the way when not in use. Price, each. .\$12.50



# NICKEL PLATED FULLER PANTRY COCKS

A-818 No. 1 Fuller pantry cocks with union. Price, per dozen	\$60.00
A-819 No. I Fuller Dantry cocks without union. Price per dozen	× 4 00
A-820 Double Fuller pantry cock. Price, each	10 80
Add for china lever handles, per pair	4 80
Add for china lever handles on single pantry cocks	790 m
Add for hose ends on pantry cocks, each	30



A-822 Sink Faucet having China Lever Handles with Solid Flange for ¾-inch Iron Pipe Female Thread and with Integral Stop. The integral stop permits regulation of water pressure and shutting off entirely when necessary to rewasher. All lever handles are adjustable so that as the washer wears thin, handle can be re-set at proper position.

Price, per dozen.....\$90.00

There has long been a demand for a sink faucet of the type of our A-822, one that is well constructed so as to give the user no trouble for years to come, and one that when trouble does arise, can be re-washered and repaired without going to the basement to shut off the water. The integral stop also has the advantage of regulating the flow of water into the sink where the pressure is high, so that it does not splash. We highly recommend this faucet and guarantee it unconditionally.









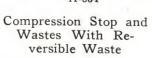
A-828

A-831

# **BRASS FERRULES**

Size, inches	$2x1\frac{1}{2}$
A-828 Std. short offset, reducing pattern, 3 in, long. Per doz. \$ 840	\$ 8.40
A-828 Heavy short offset, reducing pattern, 3 in long. Per doz. 10.20	10.20
A-829 Std. long offset, reducing pattern, 43% in long. Per doz 11 40	11.40
A-829 Heavy long offset, reducing pattern, 43% in, long. Per doz. 13.20	13.20
Size, inches	4
A-830 Std. 4½ in. long. Per doz	\$24.00
A-830 Heavy 4½ in. long. Per doz	27.60
Size, inches	6
A-831 Brass Ferrules with brass trap	0
screw. Per doz\$18.60 \$30.60 \$40.20 \$156.00	\$177.00





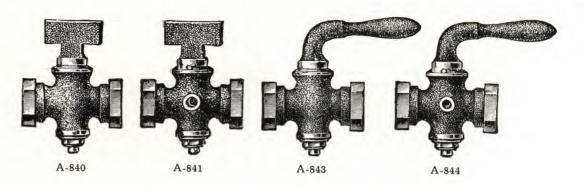




Patent Cap Stop and Waste, Flatway

T H Roundway Stops for Lead Pipe

Size, ir	iches	5/8	3/1	1	11/4	11/	9
A-834	Rough. Doz\$32.40	\$38.40	\$46.80	\$84.00	\$156.00	\$208.20	\$381.00
	Fin. Doz 34.80	40.80	49.20	90.00	163.20	219.00	399.00
	N. P. Doz 38.40	44.40	53.40	96.00	174.00	234.00	429.00
	Rough S. & W 21.60	30.00	36.60	54.00	91.20	152.40	$\frac{4 \times 9.00}{264.00}$
A-835	Rgh. Stps. Doz. 21.00	29.40	36.00	52.80	89.40	149.40	258.00
A-837	Rough. Doz 28.80	39.60	51.00	81.00	131.40	215.40	372.00



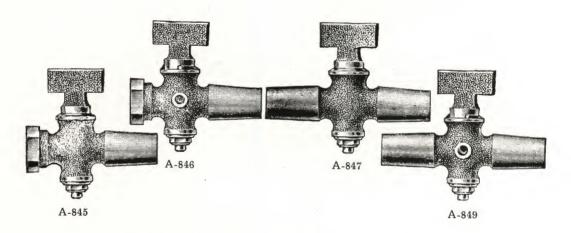
# FLAT WAY STOPS AND STOP AND WASTES

 A-840
 T. H. Stops.
 Doz. \$21.00
 \$29.40
 \$36.00
 \$52.80
 \$89.40
 \$149.40
 \$258.00

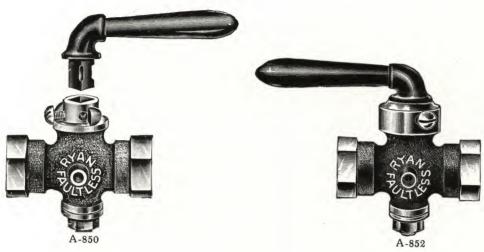
 A-841
 T. H. S. & W. Doz. \$21.60
 30 00
 36.60
 54.00
 91.20
 152.40
 264.00

 A-843
 L. H. Stops. Doz. \$21.00
 29.40
 36.00
 52.80
 89.40
 149.40
 258.00

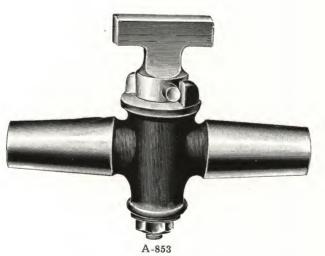
 A-844
 L. H. S. & W. Doz. \$21.60
 30.00
 36.60
 54.00
 91.20
 152.40
 264.00



# FLAT WAY STOPS AND STOP AND WASTES



	Size, inches 1/2	5/8	3/1	1
A-850	Socket Head S. & W. Doz\$21.60	\$30.00	\$36.60	\$54.00
A-852	Patent Cap Stops. Doz 21.60	30.00	36.60	54.00



Check and Waste-Rough Body

Made in one size only, 5/8 inch. Price upon application.



A-854



A-855 Wash Tray Plugs

	Size, inches	$1\frac{1}{2}$	2
A-854	Fin. Per dozen\$21.6	0 \$30.00	\$60.00
A - 854	N. P. Per dozen	36.00	75.00
A-855	Fin. Per dozen	7.20	10.80
A-855	N. P. Per dozen	9.00	13.80















A-860 Bent Union

# SOLDERING NIPPLES AND UNIONS

Size, in	nches ½	3/8	1/2	3/4	1	11/4	11/2	2
A-856	Female, doz\$3.60	\$3.60	\$4.20	\$6.00	\$8.40	\$10.80	\$15.00	\$21.00
A-857	Male, doz 3.60	3.60	4.20	6.00	8.40	10.80	15.00	21.00
A-859	Straight, doz 4.20	4.80	6.00	7.80	10.20	13.20	15.00	21.00
A-860	Bent, doz 6.00	7.20	8.40	9.60	12.00	16.20	22.80	30.00



A-862 With Bent Coupling



A-863 With Straight Coupling

# CORPORATION COCKS

Size, inches 3/8	1/2	5/8	3/4	1	11/4	11/2	2
A-862 and A-863, doz\$18.00	\$19.20	\$27.00	\$34.20	\$54.00	\$120.00	\$192.00	\$318.00



A-864

## LEAD GOOSE NECKS

Extra Strong Lead Pipe

Size, inches	1/2	5/8	3/4	1	11/4	11/2	2
Length, inches 18	18	18	18	18	24	30	36
<b>A-864,</b> per doz\$54.	00 \$63.00	\$75.00	\$87.00	\$129.00	\$234.00	\$372.00	\$582.00





A-865 Female



A-866 Male



A-867



A-868

#### HOSE NIPPLES

### HOSE BUSHING

### HOSE REDUCER

Size,	inches		1/2	3/4	1	11/4	$1\frac{1}{2}$	2	21/2	3	31/2	4
A-865	and A-866,	per	doz.\$3.50	\$3.50	\$5,00	\$9.00	\$10.0	00 \$14.00	\$28.00	\$40.00	\$50.00	\$75.00
Size,	inches		3/4 x <sup>1</sup> /	$\frac{1}{2} 1x^{\frac{1}{2}}$	1x3/4	1½x¾	1 1/4	x1 1½x	3/4 1½x	1 1½x1	1/4 2x3/4	2x1
A-867	, per doz		\$6.50	\$6.50	\$6.50	\$8.00	\$10.0	0 \$11.50	\$11.50	\$12.00	\$13.00	\$14.00
Size,	inches		2x1½	2x1	1/2 21/	2 x 3/4 2	2½x1	2½x1¼	2½x1½	2½x2	3x2	3x2½
A-868	, per doz		\$16.0	0 \$18.	00 \$2	20.00 \$	322.00	\$23.00	\$24.00	\$26.00	\$30.00	\$36.00



A-869 Hose Coupling



A-870 Gem Hose Nozzle

# HOSE COUPLING

# GEM HOSE NOZZLE

Size, i	nches		1/2	5/8	3/4	1
A-869	Per dozen	\$2.40	\$2.40	\$2.40	\$2.40	
					10.00	\$15.00



A-87

A-872

### HOSE NOZZLE

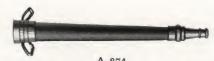
# HOSE PIPE SCREW TIP

nches 3	4 3/4	3/4	1	1	11/4	11/4	11/2
Length, inches 3	3 4	6	4	8	10	12	53/4
	71/2	12	81/2	$12\frac{1}{2}$	12	15	13
Hose Thread, doz.\$ 4	.00 \$ 5.00	\$ 7.00	\$ 5.00	\$ 9.00	\$16.00	\$18.00	\$18.00
Hose Thread, doz. 7	.00 8.00	10.00	10.00	12.00	20.00	24.00	25.00
nches 1	/2 11/2	2	2	$2\frac{1}{2}$	21/2	21/2	$2\frac{1}{2}$
Length, inches 1	0 12	63/4	12	71/2	12	15	20
Length, inches 1	5 20	15	20	15	20	24	30
Hose Thread, doz.\$20	.00 \$22.00	\$26.00	\$34.00	\$37.40	\$55.00	\$65.00	\$90.00
Hose Thread, doz. 30	.00 36.00	45.00	50.00	75.00	96.00	100.00	144.00
	Length, inches 3 Length, inches 6 Hose Thread, doz. 4 Hose Thread, doz. 7 nches 1 Length, inches 1 Length, inches 1 Hose Thread, doz. \$20	Length, inches 3 4 Length, inches 6 7½ Hose Thread, doz.\$\frac{4}{.00}\$\$\$ \$5.00 Hose Thread, doz. 7.00 8.00  nches 1½ 1½ Length, inches 10 12 Length, inches 15 20 Hose Thread, doz.\$20.00 \$22.00	Length, inches 3 4 6 Length, inches 6 7½ 12 Hose Thread, doz.\$\frac{4}{100}\$ \$5.00 \$7.00 Hose Thread, doz. 7.00 8.00 10.00  nches 1½ 1½ 2  Length, inches 10 12 6¾ Length, inches 15 20 15 Hose Thread, doz.\$20.00 \$22.00 \$26.00	Length, inches 3 4 6 4 Length, inches 6 $7\frac{1}{2}$ 12 $8\frac{1}{2}$ Hose Thread, doz.\$ 4.00 \$ 5.00 \$ 7.00 \$ 5.00 Hose Thread, doz. 7.00 8.00 10.00 10.00 nches 1 $\frac{1}{2}$ 1 $\frac{1}{2}$ 2 2 Length, inches 10 12 6 $\frac{3}{4}$ 12 Length, inches 15 20 15 20 Hose Thread, doz.\$20.00 \$22.00 \$26.00 \$34.00	Length, inches $3$ $4$ $6$ $4$ $8$ Length, inches $6$ $7\frac{1}{2}$ $12$ $8\frac{1}{2}$ $12\frac{1}{2}$ Hose Thread, doz.\$\frac{4.00}{4.00} \$\frac{5.00}{5.00} \$\frac{5.00}{7.00} \$\frac{5.00}{5.00} \$\frac{9.00}{12.00} \$\frac{10.00}{10.00} \$\frac{12.00}{12.00} \$\frac	Length, inches 3 4 6 4 8 10 Length, inches 6 $7\frac{1}{2}$ 12 $8\frac{1}{2}$ 12 $\frac{1}{2}$ 12 Hose Thread, doz.\$\frac{4}{2}.00 \$5.00 \$7.00 \$5.00 \$9.00 \$16.00 Hose Thread, doz. 7.00 8.00 10.00 10.00 12.00 20.00 nches 1\frac{1}{2}\$ 1\frac{1}{2}\$ 2 2 2\frac{1}{2}\$ 2\frac{1}{2}\$ 2\frac{1}{2}\$ 2\frac{1}{2}\$ 2\frac{1}{2}\$ 2 12 Length, inches 10 12 6\frac{3}{4}\$ 12 7\frac{1}{2}\$ 12 Length, inches 15 20 15 20 Hose Thread, doz.\$\frac{2}{2}.00\$ \$22.00 \$26.00 \$34.00 \$37.40 \$55.00	Length, inches $3$ $4$ $6$ $4$ $8$ $10$ $12$ Length, inches $6$ $7\frac{1}{2}$ $12$ $8\frac{1}{2}$ $12\frac{1}{2}$ $12$ $15$ Hose Thread, doz.\$\frac{4.00}{4.00} \$\frac{5.00}{5.00} \$\frac{5.00}{5.00} \$\frac{5.00}{5.00} \$\frac{9.00}{20.00} \$\frac{16.00}{24.00} \$\frac{18.00}{20.00} \$\frac{24.00}{24.00} \$\frac{15}{20} \$\frac{15}{15} \$\frac{1}{2}\$ $\frac{1}{2}$ Length, inches $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ Hose Thread, doz.\$\frac{20.00}{20.00} \$\frac{22.00}{22.00} \$\frac{226.00}{26.00} \$\frac{324.00}{34.00} \$\frac{37.40}{37.40} \$\frac{55.00}{55.00} \$\frac{65.00}{65.00}



# UNDERWRITER PIPE

This pipe conforms to the requirements of the Associated Factory Mutual Fire Insurance Companies.



# SWIVEL HANDLE PLAY PIPE

This pipe is Marlin wound and Painted Red.

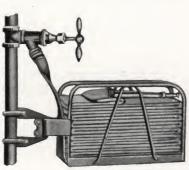
Size,	inches		2	21/2	21/2	21/2
Leng	th, incl	ies	20	24	30	36
	& Ptd.					
Plain	Brass,	each	-7.50	9.50	\$11.00	13.50



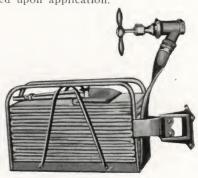
#### A-875 HOSE

Size, inches <sup>1</sup> / <sub>2</sub>	3/4	1	11/4	11/2	2	21/2	3
Two-Ply Rubber, per ft\$0.20	\$0.25	\$0.33	\$0.42	\$0.50	\$0.66	\$0.83	\$0.99
Three-Ply Rubber, per ft	.30	.40	.50	.60	.80	1.00	1.20
Three-Ply Steam, per ft	.57	.70	.85	1.02	1.34	1.66	2.00
Four-Ply Steam, per ft	.71	.87	1.04	1.25	1.66	2.08	2.80
Five-Ply Steam, per ft	.87	1.07	1.30	1.56	2.07	2.60	3.50
Mill Hose, per ft		.40	.45	.50	.65	.80	

Note-Prices on different grades of hose furnished upon application.



A-876



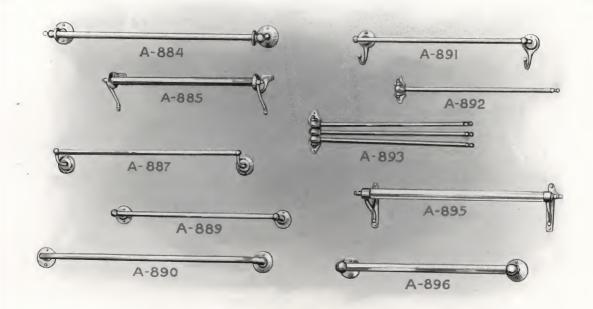
A-877

#### **HOSE RACKS**

The above Hose Racks are made of steel and malleable iron and will not break. In ordering, be sure to specify if wall or pipe brackets; if latter, give size of pipe. Always furnished with wall plate unless otherwise specified. Finished in red enamel.

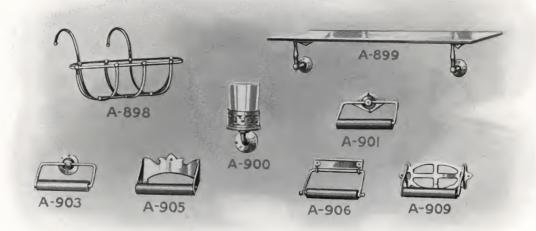
A-876 and A-877, Same Price.

11-010 and 11-011, Danie I lice.				
Number of Rack	1	2	3	4
Size of Hose, inches	11/2 & 2	21/2	11/2 & 2	21/2
Unlined Linen Hose carried, feet	50	50	100	100
Price of Rack and Bracket only	\$5.00	\$5.00	\$6.00	\$6.00



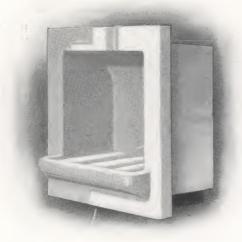
### TOWEL BARS

		TOWEL BARS	
	Length	Bar	List
A-884	20 inches	3/4-inch	
A-884	24 inches	3/4-inch	
A-885	20 inches	1-inch	
A-885	24 inches	1-inch	
A-887	20 inches	3/8-inch	
A-887	24 inches	3/8-inch	
A-887	30 inches	3/8-inch	
A-887	36 inches	3/8-inch	
A-889	18 inches	3/4-inch	
A-889	20 inches	3/4-inch	
A-889	24 inches	3/4-inch	
A-889	30 inches	3/4-inch	
A-890	18 inches	3/8-inch,	
A-890	24 inches	3/8-inch	
A-890	30 inches	3/8-inch	
A-890	18 inches	½-inch	
A-890	24 inches	½-inch	
A-890	30 inches	½-inch	
A-891	18 inches	½-inch	
A-891	24 inches	½-inch	
A-891	30 inches	½-inch	
A-892	14 inches	Single-arm swinging towel rack	60
A-893	14 inches	Three-arm swinging towel rack	
A-893	14 inches	Two-arm swinging towel rack	75
A-895	20 inches	1-inch nickel plated bar	1.75
A-895	24 inches	1-inch nickel plated bar	4.85
A-895	30 inches	1-inch nickel plated bar.	5 10
A-895	20 inches	With crystal glass or opaline bar	5.00
A-895	24 inches	With crystal glass or opaline bar	5 9 5
A-895	30 inches	With crystal glass or opaline bar	5.50
A-896	20 inches	1½-inch nickel plated bar	5.50
A-896	24 inches	1½-inch nickel plated bar	5.00
A-896	30 inches	1½-inch nickel plated bar	6.50
A-896	20 inches	1½-inch opaline bar	7 50
A-896	24 inches	1½-inch opaline bar.	0.05
A-896	30 inches	1½-inch opaline bar	9.50



## **BATH ROOM ACCESSORIES**

A-898 A-898 A-899	Bath Sponge Holder, each	
A-900 A-900 A-901 A-903 A-905 A-906 A-909	Tumbler Holder, each.\$1.00Tumbler Holder, with Tumbler, each1.20Toilet Paper Holder, doz.3.50Toilet Paper Holder, doz.2.40Toilet Paper Holder, each1.50Toilet Paper Holder, each.50Toilet Paper Holder, each.85	



#### A-910

#### **BILTIN SOAP HOLDER**

**A-910** The "Biltin" Vitreous China Soap Holder to Tile in Bath Room over Tub or Lavatory. This soap holder has no metal to polish, and there is no danger of same pulling loose from the wall. Especially desirable for tiled-in bath rooms, in hotels and modern homes.

Made in three sizes:

6x6-inch.	$6x4\frac{1}{2}$ -inch.	6x3-inch.
List on all s	sizes, each	\$3.00





BEVELED FRENCH PLATE MIRRORS WITH NICKEL PLATED BRASS FRAME

		Size	½-in. frame	3/4-in. frame	1-in. frame
A-911	Oblong	12x18 inches	\$5.00	\$ 6.00	\$ 7.75
A-911	Oblong	16x20 inches	6.75	8.00	10.00
A-911	Oblong	18x24 inches	9.00	10.00	12.00
		Size			List, Each
A-912	Oval	12x18 inches			\$ 6.00
A-912	Oval	16x24 inches			9.00
A-912	Oval	18x30 inches			12.00
771	1	1 0 1	1 1.1 1.1		

The above mirrors can be furnished with white enameled, hand polished frames if desired.



#### A-913 RATH SEAT

	DAILI SLAI
Price, each, oak	\$1.25
Price, each, pyralin white finish	5.00
	0.00







BATH ROOM STOOLS COVERED WITH WHITE PYRALIN

	List, Each	h
A-915	14 inches high, 13½ inches diameter\$8.00	
A-915	Sprayed finish instead of sheet pyralin 5 00	
A-917	16 inches high, 13½ inches diameter. 9.00	
A-918	11.00	
A-	918 can be covered with cork top if desired, without extra charge	







A-922

A-923

A-922 White Bone China Vase Holder, including Vase, each........\$2.50 A-923 White Bone China Mug Holder, including Mug, each............2.50



A-926

A-927

A-928





	List, Each
A-925	White Bone China Soap Holder, including Soap Dish\$2.50
A-926	White Bone China Robe Holder
A-927	White Bone China Robe Hook
A-928	White Bone China Toilet Paper Holder 1.00



#### A-930

A-930 White Bone China Whisk Broom Holder, each ......\$2.00



#### A-940



#### A-933

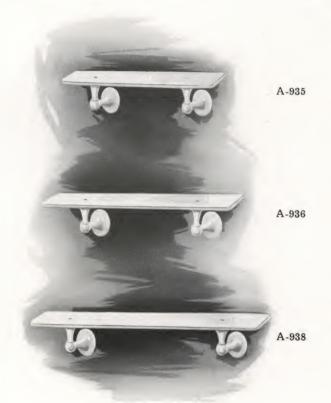
A-933 White Bone China Towel Bar with White Glass Rod— Length, 18 in., each.. \$3.20 Length, 24 in., each.. 3.40 Length, 36 in., each.. 4.20

A-935 White Bone China Brackets with White Glass Shelf— Size, 18x5 in., each... 4.00

A-936 White Bone China Brackets with White Glass Shelf— Size, 24x5 in....... 4.60 Size, 24x6 in....... 4.80

A-938 White Bone China Brackets with White Glass Shelf—Size, 30x5 in., each... 5.00 Size, 30x6 in., each... 5.20 Size, 36x5 in., each... 5.60 Size, 36x6 in., each... 5.80

A-940 White Bone China Comb and Brush Holder..... 3.00





NATIONAL PLUMBING & HEATING SUPPLY COMPANY





Plate A-1003

#### ONE PIECE APRON SINK

Porcelain Enameled Iron One Piece Apron Sink with Right- and Left-Hand Drain Boards, on Porcelain Enameled Iron Adjustable Legs and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

# DIMENSIONS

Sink	22x30	inches
Back 12	12	inches
Drain Boards20x24	22x24	
Apron 6		
Length over all	783/4	inches
Width over all	23	inches
Floor to top of rim		inches
Can be adjusted floor to top of rim	34	inches

Note: Can furnish special length legs, allowing sink adjustment from 32 to 36 inches.

Sink complete as described\$6	7.00	\$71.00
Deduct for faucets	1.75	1.75
Deduct for nickel plated trap	2.25	2.25



# Plate A-1005 ONE PIECE APRON SINK

Porcelain Enameled Iron One Piece Apron Sink with Left-Hand Drain Board, on Porcelain Enameled Iron Adjustable Legs and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENGIONS	
DIMENSIONS	
Sink	inches
Back 12 12	inches
Drain Board	inches
Apron 6 6	inches
	inches
	inches
Floor to top of rim	inches
Can be adjusted floor to top of rim	inches
Note: Can furnish special length legs, allowing sink adjustment	rom 32
to 36 inches.	
Sink complete as described\$38.00	\$40.50
Deduct for faucets	1.75
Deduct for trap 2,25	2.25
If on painted adjustable legs instead of enameled, deduct 1.00	1.00



# ONE PIECE APRON SINK

Porcelain Enameled Iron One Piece Apron Sink with Right-Hand Drain Board, on Porcelain Enameled Iron Adjustable Legs and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS	
Sink	inches
Back 12 13	inches
Drain Board20x24 22x24	inches
Apron	inches
Length over all	inches
Width over all	3 inches
Floor to top of rim	inches
Can be adjusted floor to top of rim	inches
Note: Can furnish special length legs, allowing sink adjustment	from 32
to 36 inches.	
Sink complete as described\$38.00	\$40.50
Deduct for faucets	1.75
Deduct for trap	2.25
If on painted adjustable legs instead of enameled, deduct. 1.00	1.00



Plate A-1013

## ONE PIECE APRON CORNER SINK

Porcelain Enameled Iron One Piece Apron Corner Sink with Left-Hand End and Right-Hand Drain Board, on Porcelain Enameled Iron Adjustable Leg and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Faucets.

DIMENSIONS			
Sink	x30	22x30	inches
Back	12	12	inches
Drain Board20	x24		inches
Apron	6		inches
Length over all.	$54\frac{1}{4}$		inches
Width over all	21		inches
Floor to top of rim	30		inches
Can be adjusted floor to top of rim	34		
Note: Can furnish special length leg, allowing sink	04	94	inches
to 36 inches.	adjusti	ment i	rom 32
Sink complete as described	\$40.00	0	\$40 E0
Deduct for faucets	1 0.0	<i>,</i>	\$42.50
Deduct for trap	1.76		1.75
If with pointed leaders to 1.11	2.23	)	2.25
If with painted leg instead of enameled leg, deduct	$\dots$ .50	)	.50
Note: This sink can be furnished with endpiece over of over sink if desired. Price would be same as above.	drain 1	ooard i	nstead



Plate A-1015

## ONE PIECE APRON CORNER SINK

Porcelain Enameled Iron One Piece Apron Corner Sink with Right-Hand End and Left-Hand Drain Board, on Porcelain Enameled Iron Adjustable Leg and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS		
Sink	22x30	inches
Back 12	12	inches
Drain Board20x24	22x24	inches
Apron 6	6	inches
Length over all	56	inches
Width over all	23	inches
Floor to top of rim	30	inches
Can be adjusted floor to top of rim	34	inches
Note: Can furnish special length leg, allowing sink adjust to 36 inches.	tment f	rom 32
Sink complete as described\$40.0	00	\$42.50
Deduct for faucets	75	1.75
Deduct for trap	25	2.25
If with painted leg instead of enameled leg, deduct	50	.50
Note: This sink can be furnished with endpiece over drain of over sink if desired. Price would be the same as above.	board i	nstead



# Plate A-1026

ONE PIECE ROLL RIM SINK

Porcelain Enameled Iron One Piece Roll Rim Sink with Left-Hand

Drain Board, on Painted Adjustable Legs and Concealed Hangers; fitted
with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS					
Sink	20x26	20x28	20x30	22x30	inches
Back		12	12	12	inches
Drain Board	20x18	20x20	20x24	22x24	inches
Length over all	. 44	48	551/4	551/4	inches
Width over all	$20\frac{1}{2}$	$20\frac{1}{2}$			inches
Floor to bottom of rim	. 30	30	30	30	
Can be adjusted floor to top of	of				
rim		34	34	-34	inches
Note: Can furnish special	length leg	s, allowing	g sink adi	ustment f	rom 32
to 36 inches.			,		
Sink complete as described		\$24.65	\$25.50	\$26.70	\$29.00
Sink complete less trap		22.40	23.25	24.45	26.75
Sink and legs only		20.65	21.50	22.70	25.00
Sink less legs, on concealed ha	angers	19.15	20.00	21.20	23.50



Plate A-1028

## ONE PIECE ROLL RIM SINK

Poreclain Enameled Iron One Piece Roll Rim Sink with Right-Hand Drain Board, on Painted Adjustable Legs and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DI	MENSI	NIC			
Sink	72-56 MEN 210	20x28	20x30	0020	in also a
D1-	JX&O			22x30	inches
Back	12	12	12	12	inches
Drain Board20	0x18	20x20	20x24	22x24	inches
Length over all	44	48	$55\frac{1}{4}$	$55\frac{1}{4}$	inches
Width over all	$20\frac{1}{2}$	$20\frac{1}{2}$	201/2		inches
Floor to bottom of rim	30	30	30	30	inches
Can be adjusted floor to top of					
rim	34	34	34	34	inches
Note: Can furnish special length legs, allowing sink adjustment from 32					
to 36 inches.	0 0		,,		
Sink complete as described	\$	24.65	25.50	\$26.70	\$29.00
Sink complete less trap		22.40	23.25	24.45	26.75
Sink and legs only		20.65	21.50	22.70	25.00
Sink less legs, on concealed hange	ers	19.15	20.00	21.20	23.50



Plate A-1050

## ONE PIECE ROLL RIM CORNER SINK

Porcelain Enameled Iron One Piece Roll Rim Corner Sink with Left-Hand Endpiece and Right-Hand Drain Board, on Painted Adjustable Leg and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS		
Sink	22x30	inches
Back 12	12	inches
Drain Board	22x24	inches
Length over all	$55\frac{1}{2}$	inches
Width over all	223/4	inches
Floor to top of rim	30	inches
	34	
Note: Can furnish special length leg, allowing sink ac	ljustment f	rom 32
to 36 inches.		
Sink complete as described	30.00	\$31.50
Sink less trap	27.75	29.25
Sink and leg only	26.00	27.50
Sink only, on concealed hangers		26.75



Plate A-1052

## ONE PIECE ROLL RIM CORNER SINK

Porcelain Enameled Iron One Piece Roll Rim Corner Sink with Right-Hand Endpiece and Left-Hand Drain Board, on Painted Adjustable Leg and Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS

DIMENSIONS		
Sink	22x30	inches
Back	12	inches
Drain Board20x24	22x24	inches
040 046   040 040 040 040 040 040 040 040 040 0		inches
	_ / _	
Floor to top of view		inches
Floor to top of rim	30	inches
Can be adjusted floor to top of rim	34	inches
Note: Can furnish special length leg, allowing sink ac	diustment f	rom 32
to 36 inches.	. January 1	. 0111
Sink complete as described	\$30.00	\$31.50
Sink less trap	900.00	
Sink and low only	27.75	29.25
Sink and leg only	26.00	27.50
Sink only, on concealed hangers	25.25	26.75



## Plate A-1055

ONE-PIECE ROLL RIM SINK

Porcelain Enameled Iron One-Piece Roll Rim Sink on Concealed Hanger, with 12-inch High Back, and with Porcelain Enameled Iron Interchangeable Drain Board on Concealed Iron Bracket; fitted with A-730 11/2-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

Note: Price includes 24-inch drain board. Can furnish 18-inch long drain board if desired. Sink can also be furnished on painted adjustable legs.

		I count	red dajuotubie iego
	DIMENSI	ONS	Price Complete
C.		Price Complete	as Shown With
Size		as Shown	Painted Legs
16x24-inch		\$13.80	\$15.30
18x24-inch		13.80	15.30
18x30-inch		14.80	16.30
20x24-inch		16.00	17.50
20x30-inch		16.50	18.00
20x36-inch		INFO	19.00
22x30-inch		17.30	18.80
22x36-inch		18.75	
Deduct for	faucets	10.10	20.25
Deduct for	tran	1.75	1.75
Deather 101	trap	2.25	2.25



Plate A-1058

## ONE PIECE ROLL RIM CORNER SINK

Porcelain Enameled Iron One Piece Roll Rim Corner Sink with Left Hand End Piece, on Concealed Hangers, and with Back 12 inches high; fitted with A-730  $1\frac{1}{2}$ -inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

18x24-inch, sink only	\$12.00
18x30-inch, sink only	13.25
18x36-inch, sink only	15.00
20x30-inch, sink only	. 14.00
20x36-inch, sink only	19.00
Add for one painted adjustable leg	75
Add for faucets	. 1.75
Add for nickel plated trap	2.25



Plate A-1060

## ONE PIECE ROLL RIM CORNER SINK

Porcelain Enameled Iron One-Piece Roll Rim Corner Sink with Right-Hand Endpiece, on Concealed Hangers, and with Back 12 inches High; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

DIMENSIONS	
.18x24-inch, sink only\$	12.00
18x30-inch, sink only	13.25
18x36-inch, sink only	15.00
20x30-inch, sink only	
20x36-inch, sink only	19.00
Add for one painted adjustable leg	.75
Add for faucets	1.75
Add for nickel plated trap	2.25



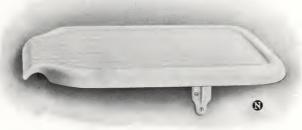




Plate A-1075

## A-1080 Interchangeable Drain Board

Porcelain Enameled Iron Interchangeable Drain Board on Concealed Iron Brackets, for use with Roll Rim Sinks.



# Plate A-1080

Price P 16x18-inch	rice
16x18-inch\$	2.85
18x18-inch	3.10
20x18-inch	
22x18-inch	3.55
16x24-inch	
18x24-inch	3.55
20x24-inch	3.75
22x24-inch	4.10

## ONE-PIECE ROLL RIM SINK

Porcelain Enameled Iron One-Piece Roll Rim Sink with 12-inch Integral Back, on Concealed Hangers; fitted with A-730 1½-inch Nickel Plated Cast Brass Trap and Two A-787 Nickel Plated Fuller Faucets.

- Tured - Tiller - Lancets.
Price of
Sink Les
Size Faucets
and Trap
16x24-inch \$ 6.50
18x24-inch 6.50
18x30-inch 7.30
20x24-inch 7.65
20x30-inch 7.90
20x36-inch 9.85
22x30-inch 9.65
22x36-inch
Add for faucets 1.75
Add for 11/2-inch nick-
el plated trap 2,25
Add for painted legs 1.50



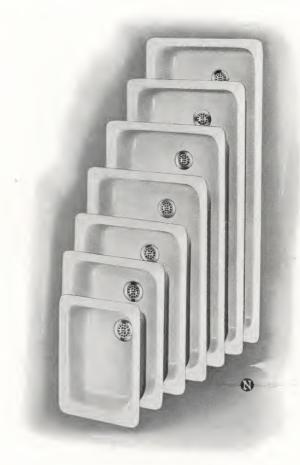


Plate A-1085

## FLAT RIM KITCHEN SINKS

Porcelain Enameled Iron Flat Rim Kitchen Sinks, 6 inches Deep, with New Style Brass Strainer and with 11/4-inch Tailpiece.

		DIME	NSIONS	
Size	]		Size	Price
			20x24-inch	 \$ 4.30
		2.85	20x28-inch	 4.60
		3.50	20x30-inch	 4.40
16x20-inch		3.70		
		3.80	20x40-inch	 7.75
16x28-inch		4.30	20x42-inch	 8 10
		4.50	20x48-inch	 9.05
18x24-inch		4.05	22x36-inch	 6.20
18x28-inch		4.40	22x42-inch	 8.40
18x30-inch		3.90	24x48-inch	 10.25
18x36-inch		5.40	24x50-inch	 11.05



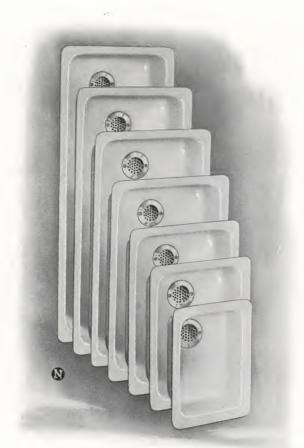


Plate A-1090

## FLAT RIM KITCHEN SINKS

Porcelain Enameled Iron Flat Rim Kitchen Sinks, 6 inches deep, with Nickel Plated Brass Strainer and Iron Coupling.

Size	H	Price	Size		Price
12x16-inch		2.45	18x36-inch		5 5 1 5
12x18-inch		2.60	20x24-inch		0.10
14x20-inch		3.25	20x20 inch	**********	4.05
16x20-inch		3.40	20x30-IIICII		4.20
16v24 inch		0110	20X36-inch		5.70
10x24-IIICII		3.50	20x40-inch		7.45
16X28-inch		4.05	20x42-inch		7.75
16x30-inch		4.20	20x48-inch		8.75
18x24-inch		3.80	22x36-inch		5.95
18x28-inch		4.15	22x42-inch		8.10
18x30-inch		3 70	24x48-inch		0.10
		0.10	in and in the in		10.00





#### Plate A-1092

#### A-1092

# DEEP PATTERN SINK BACK

Porcelain Enameled Iron Deep Pattern Sink Back, 12 inches high. These backs can be furnished with either 2-inch roll rim or shallow pattern with 1½-inch roll rim.

-	17				
	₽	11	0	0	
-	L.	1 1	·	C.	

Length	2-Inch Roll Rim	1½-Inch Roll Rim
16-inch		\$2.00
18-inch		2.20
20-inch	\$2.90	2.30
22-inch	3.00	2.60
24-inch	3.20	2.90
28-inch	4.20	3.40
30-inch	3.80	3.00
36-inch	4.90	4.40
40-inch	5.50	5.00
42-inch	5.80	5.20
48-inch	6.80	6.50
50-inch		6.80

Sink backs are regularly furnished with two cock holes, 8-inch centers. Backs with one cock hole only will be furnished at the same price. For other drillings and special drillings, extra charges will be made.

#### A-1095

#### ROLL RIM SLOP SINK

Porcelain Enameled Iron Roll Rim Slop Sink on Porcelain Enameled Iron Adjustable Trap Standard, with Outlet Threaded for 2-inch Iron Pipe, with Nickel Plated Brass Clean-out Plug and Nickel Plated Strainer. Slop Sink and Standard have Painted Exterior.

Sizes, in....16x20x12 18x22x12 20x24x12 Price, com-

plete as

described. \$17.00 \$18.50 \$22.50



Plate A-1095



#### ROLL RIM SLOP SINK

A-1100 Porcelain Enameled Iron One-Piece Roll Rim Slop Sink, with 14-inch High Back, on Porcelain Enameled Iron Adjustable Trap Standard, with Outlet Threaded for 2-inch Iron Pipe, and with Nickel Plated Brass Cleanout Plug; fitted with Nickel Plated Female Fuller Faucets. Sink and Trap Standard have painted exterior.

Sizes, ins....16x20x12 18x22x12 20x24x12

Price, complete,
 as described..\$21.75 \$23.75 \$26.75

Price, complete,
 less faucets.. 20.00 22.00 25.00

Plate A-1100
Slop sinks illustrated on this page can be fitted with A-812 Quaturn combination mixing faucet with swinging spout. Backs can also be drilled for special combination fittings if desired.

## ROLL RIM SLOP SINK

A-1103 Porcelain Enameled Iron Roll Rim Slop Sink with 12-inch Back and Right Hand End, set on Enameled In and Painted Out Trap Standard; fitted with Nickel Plated Fuller Faucets.

This sink can be furnished with left hand end instead of right hand end if desired.

Sizes, in ....16x20x12 18x22x12 20x24x12 Price, complete,

as described..\$24.75 \$33.25 \$38.25

Price, complete, less faucets.. 23.00 31.50 36.50



Plate A-1103



Plate A-1105

#### PANTRY SINK

A-1105 The "National" German Silver or Copper Pantry Sink and Standing Overflow; countersunk marble top, 8-inch aprons. We can furnish this outfit with same specifications as given for A-1107 or in any style desired and will be pleased to give prices on request.

#### **PANTRY SINK**

**A-1107** German Silver or Copper Lined Wooden Drain Board with A-1114 Recess Sink, with Standing N. P. Overflow.

This arrangement can be changed to suit requirements. As we have described it, it is with German silver top. It can also be furnished with heavy planished copper top and a heavy copper sink instead of German silver.

The illustration shows double drain board; sink can be furnished with single drain board or with one end or two ends if wanted for a recess.

When ordering, give correct outside measurements, length and width, height of back and length of drain board and size and style of sink, and whether it is to be German silver or copper, or if marble is to be Italian or Tennessee.

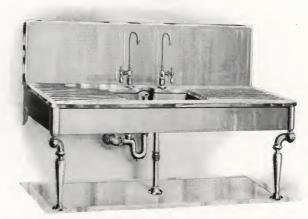
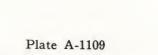
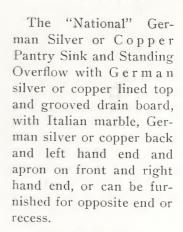


Plate A-1107





Prices on application.

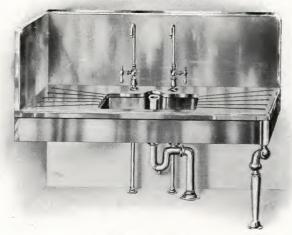


Plate A-1109

# Plate A-1110 THE "NATIONAL"

The "National" German Silver or Planished Copper Pantry Sink and Top and Grooved Drain Board with marble back and end and marble apron on front and right hand end, with oval sink fitted with connected side overflow, waste plug, coupling and tail piece. This outfit can also be furnished with German silver or copper back, end and apron. For sizes of oval sinks, see A-1117. Prices on application.

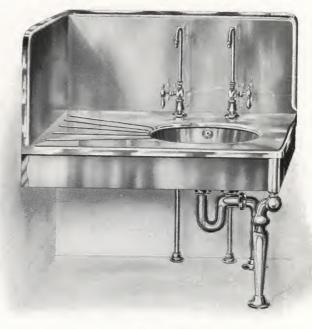


Plate A-1110





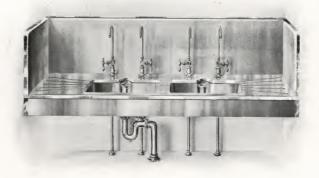


Plate A-1112

# Plate A-1112 THE "NATIONAL"

The "National" German Silver or Copper Recessed Pantry Sinks with Standing Overflows and German Silver or Copper Top with Grooved Drain Boards. This outfit can be made with either Italian marble, German silver or copper back, ends and apron.

The usual dimensions for a combination sink in this style are as follows:

Total Length of Sink	Width of Top	Height of Marble Backs	Size of Each Sink
7 feet	24 inches	18 inches	14x20 inches
8 feet	26 inches	18 inches	16x24 inches
9 feet	26 inches	18 inches	16x24 inches

Can make any other sizes to order. Prices on application.

#### Plate A-1114

#### SINK

With Recess; fitted with nickel plated standing overflow and waste with coupling and tail piece. Measurements are inside, but do not include the recess.



Plate A-1114

# LIST PRICES AND DIMENSIONS Plate A-1114

	German	
	Silver	Copper
14x20 inches, each	\$26.50	\$15.00
14x24 inches, each	29.00	16.00
16x24 inches, each	31.50	17.50
16x30 inches, each	34.50	19.50
18x30 inches, each	36.50	21.00



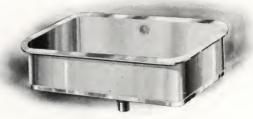


Plate A-1115

Plate A-1116

Plate A-1115 represents the "National" German Silver or Copper Square Pantry Sink with Round Corners; fitted with nickel plated standing overflow and waste with coupling and tail piece.

Plate A-1116 represents the "National" German Silver or Copper Square Pantry Sink with Round Corners; fitted with connected side overflow, waste plug coupling and tail piece.



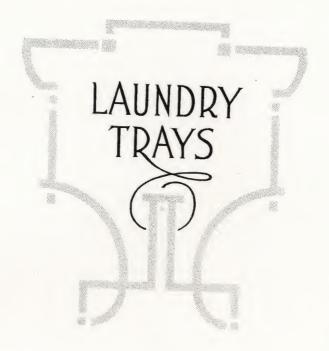
Plate A-1117

Plate A-1117 when furnished with Connected Side Overflow Waste Plug, Coupling and Tail Piece, add \$2.00 to list prices given below. Odd sizes take the same list as the next size larger.

## LIST PRICES AND DIMENSIONS

		Plate	Plate
		A-1115	A-1116
12x18 inches, copper, each		\$ 7.00	\$ 4.50
12x20 inches, copper, each		7.50	5.00
14x16 inches, copper, each		7.00	4.50
14x20 inches, copper, each		8.25	6.00
14x24 inches, copper, each		9.25	7.00
16x24 inches, copper, each		10.00	8.00
16x30 inches, copper, each		12.00	10.00
18x30 inches, copper, each		13.00	11.00
Sinks can be furnished in either planished	or tinned of	copper	11,00

		A-11	17
21		German	
Size		Silver	Copper
12x18 inches,	each	\$10.50	\$ 6.00
12x20 inches,	each	11.50	6.50
14x16 inches,	each	12.50	7.00
14x20 inches,	each	13.00	7.50
14x24 inches,	each	16.00	9.00
16x24 inches,	each	18.00	10.00
16x30 inches,	each	21.00	12.00
18x30 inches,	each	23.00	13.00



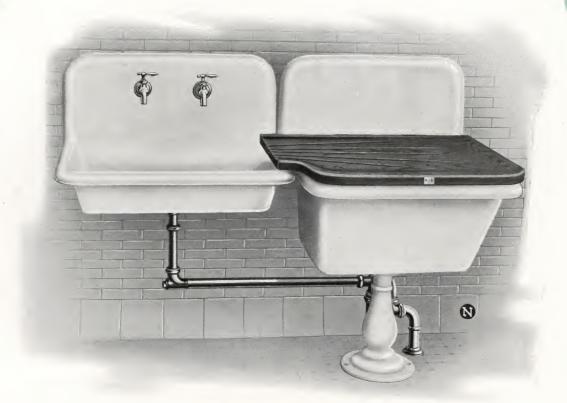


# A-1120

ROLL RIM SINK AND LAUNDRY TRAY

Porcelain Enameled Iron Roll Rim Sink and Laundry Tray Combination with Hinged Ash Combination Drain Board and Cover, Sink on Concealed Hanger; fitted with Nickel Plated Fuller Bibbs; Laundry Tray on Iron Standard and fitted with Brass Waste Plug with Rubber Stopper and Finished Brass Compression Wash Tray Bibbs; Combination fitted with Wooden Wringer Holder and 1½-inch Nickel Plated Continuous Waste with 1½-inch Nickel Plated Vented S Trap.

DIMENSIONS	
Sink	inches
Laundry tray	inches
Height of backs	inches
Depth of laundry tray 141/4	inches
Floor to top of rims	inches
Actual length over all, allowing 1/2-inch space between sink and tray 59	
Note: If laundry tray is wanted drilled for overflow, specify when ordering.	
Sink can be set on either side of laundry tray.	
Above combination is listed with 20x30-inch sink, but can be furnished with	22x30-
inch sink or with sink with end piece.	10101100
Price, complete, as described	\$64.00
Price of sink and laundry tub only	37.00
Deduct for wringer holder	6.00
Deduct for drain board	. 8.00
Deduct for four faucets	3.00
Deduct for trap	5.00
Deduct for continuous waste	. 5.00



# Plate A-1125 ROLL RIM SINK AND LAUNDRY TRAY

Porcelain Enameled Iron Roll Rim Sink and Laundry Tray Combination with Hinged Ash Combination Drain Board and Cover; Sink on Concealed Hanger; fitted with Nickel Plated Fuller Faucets; Laundry Tray on Iron Standard and fitted with Porcelain Enameled Iron Soap Cup, Nickel Plated Brass Waste Plug with Rubber Stopper, Finished Brass Compression Wash Tray Bibbs, and 1½-inch Nickel Plated Brass Continuous Waste with 1½-inch Vented S Trap.

DIMENSIONS
Sink
Laundry Tray
Height of Backs
Depth of Laundry Tray
Floor to top of rims
Actual length over all allowing 1/2-inch space
between Sink and Tray
Note: It Laundry Tray is wanted drilled for overflow specify when
ordering.
Sink can be set on either side of Laundry Tray.
Above combination is listed with 20x30-inch Sink but can be furnished
with \$2x30-inch Sink or with Sink with endpiece
Price of sight and learning the state of the state of sight and learning the sight and learning the state of sight and learning the state of sight and learning the s
TIRE OF SHIK AND JAHROFY FRAY ONLY
Deduct for drain board
Deduct for drain board 8.00 Deduct for four favorts
Deduct for four faucets
Deduct for trap
Deduct for continuous waste

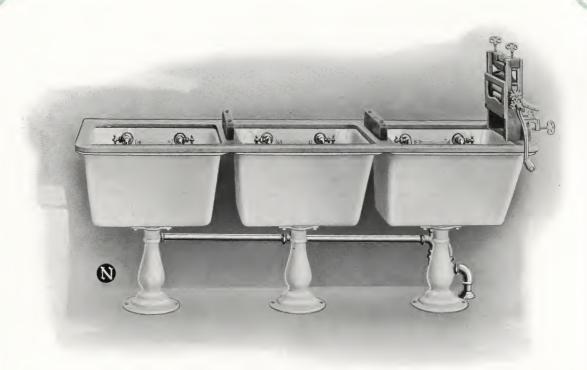


Plate A-1130

## FLAT RIM LAUNDRY TRAYS

Porcelain Enameled Iron Flat Rim Laundry Trays with Ash Frame and Wooden Wringer Holders, on Iron Standards; fitted with Porcelain Enameled Iron Soap Cups, Wringer, Nickel Plated Brass Waste Plugs with Rubber Stoppers, 1½-inch Continuous Waste with 1½-inch Nickel Plated Vented S Trap and Finished Brass Fuller Wash Tray Bibbs.

Note: If wanted drilled for overflow, specify when ordering.

Front to back of frame; outside	
space between trays)	
Depth inside to top of frame	
Floor to top of frame	
Price, complete, as described, three trays  Price, complete, as described; two trays  Set of three trays  58	00.0
Set of three trays only, including trame	2.00
Set of two flays only, including frame	5.00
Deduct for continuous waste for three part	7.50
Deduct for continuous waste for two part	00.6
Deduct for trap	00.6
Deduct for suringer	.75
Deduct for wringer	0.00



Plate A-1135

## FLAT RIM LAUNDRY TRAYS

Porcelain Enameled Iron Flat Rim Laundry Trays on Iron Standards; fitted with Porcelain Enameled Iron Soap Cups, Wooden Wringer Holder, Nickel Plated Brass Waste Plugs, 1½-inch Vented S Trap and ½-inch Finished Compression Wash Tray Bibbs.

Note: If wanted drilled for overflow, specify when ordering.

Width over rim26 inches	Width inside21¾ inche Depth inside14¼ inche Floor to top of rim34 inche pace between trays), 79 inches.	s
Price, complete, as described, three tray	s\$63.0	0
Price, complete, as described, two trays		0
Price, per set of three trays only		0
Price, per set of two trays only		0
Deduct for wringer holder	6.0	
Deduct for continuous waste for three-p	art	
Deduct for continuous waste for two-pa	rt 5.00	
Deduct for trap		_
Deduct for faucets, each		
,		U



Plate A-1140

## TWO-PART LAUNDRY TRAY

White, Solid Porcelain Two-Part Laundry Tray set upon White Porcelain Legs, with Brackets to Wall, and fitted with Stub Compression Wash Tray Bibbs, Combination Waste with 1½-inch Nickel Plated Trap to Wall. This fixture marks an evolution in the manufacture of solid porcelain

This fixture marks an evolution in the manufacture of solid porcelain ware. Heretofore, only the single unit laundry tray was considered a possibility. We are now able to offer this two-part tub, which is compact and neat in appearance, at a price that should interest the wise builder. Because of the highly glazed surface practically no friction exists and there is no danger of fine linens or laces being torn on sharp edges. The tub is always cleaned without effort.

Length over all	46	inches
Width	24	inches
Size of individual tubs		inches
Depth inside	$15\frac{3}{4}$	inches

TO 1	Class "A"	Class "B"
Price, complete, as described	\$53.00	\$40.00
Price of tub and legs only, less trimmings	43.00	30.00



Plate A-1145

## PORCELAIN LAUNDRY TUBS WITH INTEGRAL BACKS

White, Solid Porcelain Tubs with Integral Back, set upon White Porcelain Legs; fitted with Nickel Plated Continuous Waste and 1½-inch Nickel Plated Trap to Floor with Vent to Wall.

DIMEN	SIONS
-------	-------

Size of tubs, inches	$\dots 26x26x15$	29x26x15	36x26x15
Price, complete, as described, Class "A"	\$98.80	\$106.80	\$114.80
Price, complete, as described, Class "B"	75.60	81.20	86.80
Price, single tub only, with legs, Class "A	" 38.75	42.75	46.75
Price, single tub only, with legs, Class "B	" 27.15	29.95	32.75
Class "A" porcelain legs, pair	6.75	6.75	6.75
Class "B" porcelain legs, pair	4.75	4.75	4.75
Deduct for continuous waste and N. P.	trap		
when not furnished	11.00	11.00	11.00



Plate A-1150

The "National" Granitine Two-Part Laundry Tray with Patent Metallic Rim, Wringer Guards, Plugs, Overflows and Two Painted Legs; fitted with Finished Brass Fuller Faucets.

#### **DIMENSIONS**

48 inches 54 inches	24 inches	16 inches	11.50		
60 inches	24 inches	16 inches	19.00		
			12.00		
Add t	o the above	e prices for trimmings as follows:			
		h	<b>\$0.80</b>		
Colmonia	1 1	1	\$0.70		
Galvanized iron legs, each					
Galvanized iron soap cups, each					
1/ inch 15 11 5					
72-IIICH F1	mer raucet	s, each	1.00		

Brass rims will be furnished on order.

Backs are only partly drilled for cock holes.



Plate A-1155

The "National" Granitine Two-Part Laundry Tray with 6-inch High Back, Patent Metallic Rim, Wringer Guards, Plugs, Overflows and Painted Iron Legs; fitted with Stub Compression Wash Tray Bibbs.

### DIMENSIONS

Length	Width	Depth	Price, Tub Only			
48 inches	24 inches	16 inches	\$14.00			
54 inches	24 inches	16 inches				
Add t	Add to the above prices for trimmings as follows:					
Painted ir	on legs, eac	h	\$0.70			
Galvanized iron legs, each 1.10						
Galvanized iron hanging soap cups, each						
½-inch compression faucets, each						
Brass rims will be furnished on order						

Brass rims will be furnished on order.

Backs are only partly drilled for cock holes.

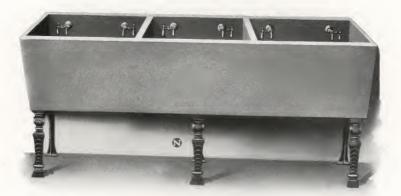


Plate A-1160

The "National" Three-Part Laundry Tray with Patent Metallic Rim, Wringer Guards, Plugs, Overflows, Painted Iron Legs and Fuller Wash Tray Faucets.

## DIMENSIONS

72 inches	Width 24 inches 24 inches		Pric Tub C \$1	Only 6.00
			rimmings as follows:	
Painted ir	on legs, eac	h	\$	0.70
Galvanized	l iron legs.	each		
C 1 :	1	cacii	• • • • • • • • • • • • • • • • • • • •	1.10
Galvanized iron hanging soap dishes, each				
½-inch Fu	ller faucets	, each		1.00
Brass rims will be furnished on order.				

Backs are only partly drilled for cock holes.

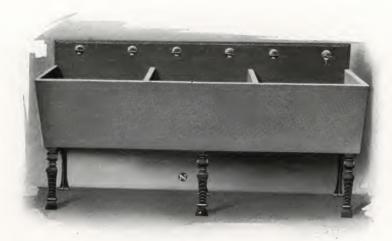


Plate A-1165

The "National" Granitine Three-Part Laundry Tray with 6-inch High Back, Patent Metallic Rim, Wringer Guards, Plugs and Overflows; fitted with Painted Iron Legs and Stub Compression Wash Tray Faucets.

		DIMENSIONS	Price,			
	Width 24 inches 24 inches	I	•			
Add t	Add to the above prices for trimmings as follows:					
Painted iron legs, each. \$0.70 Galvanized iron legs, each 1.10 Galvanized iron hanging soap dishes, each 50  1/2-inch finished compression faucets, each 75						
Brass rims will be furnished on order.  Backs are only partly drilled for cock holes.						



Plate A-1170

The "National" Soapstone Three-Part Laundry Tray on Painted Cast Iron Legs and with Galvanized Soap Cups.

Can be furnished with any style faucets desired.

Soapstone, on account of its sanitary excellence, is peculiarly adapted for laundry purposes. It is gray in color, close grained, uniform in density and hardness and wears as smooth as polished marble. It is absolutely non-absorbent and is as clean after years of use as when first installed.

			Price,
Length	Width	Depth	Tub Only
72 inches	24 inches	16 inches.	\$27.00
78 inches	24 inches	16 inches.	32.00
			per set of two 1.00
Add for p	ainted iron	legs, per s	set of three 2.10
			et of three 1.05



Plate A-1175

The "National" Soapstone Three-Part Laundry Tray set on the Painted Cast Iron Legs; fitted with Galvanized Soap Dishes and Finished Brass Fuller Wash Tray Faucets.

Soapstone, on account of its sanitary excellence, is peculiarly adapted for laundry purposes. It is gray in color, close grained, uniform in density and hardness and wears as smooth as polished marble. It is absolutely non-absorbent, and is as clean after years of use as when first installed.

			Height	—Pr	ice—
Length	Width	Depth		Tub Only	
72 inches	24 inches	16 inches	12 inches	\$33.00	\$43.15
78 inches	24 inches	16 inches	12 inches	38.00	48.15
Deduct fo	r faucets				\$6,00
Deduct fo	r galvanize	d soap cups	s, per set of two		1.00
Deduct fo	r painted in	on legs, pe	r set of three		2.10





Plate A-1180

The "National" Soapstone Two-Part Laundry Tray set on Painted Iron Legs.

Soapstone, on account of its sanitary excellence, is peculiarly adapted for laundry purposes. It is gray in color, close grained, uniform in density and hardness and wears as smooth as polished marble. It is absolutely non-absorbent, and is as clean after years of use as when first installed.

Length	Width	Depth	Price, Tub Only
48 inches	24 inches	16 inches	
54 inches	24 inches	16 inches	
60 inches	24 inches	16 inches	22.20
Add for v	wash tray pl	ugs, per set of two	\$0.70
Add for g	alvanized s	oap cups	
Add for p	ainted iron	legs, per set of two	1.40
Add for I	fuller fauce	s, per set of four	4.00
		faucets, per set of four	



Plate A-1185

The "National" Soapstone Two-Part Laundry Tray set on Painted Iron Legs; fitted with Finished Fuller Wash Tray Bibbs, Galvanized Soap Cup and Brass Wash Tray Plugs.

Soapstone, on account of its sanitary excellence, is peculiarly adapted for laundry purposes. It is gray in color, close grained, uniform in density and hardness and wears as smooth as polished marble. It is absolutely non-absorbent, and is as clean after years of use as when first installed.

			Height Depth of Back		—Price—			
Length	Width	Depth	of Back	Tub Only	Complete			
48 inches	24 inches	16 inches	12 inches	\$17.50	\$24.10			
54 inches	24 inches	16 inches	12 inches	22.00	28.60			
60 inches	24 inches	16 inches	12 inches	26.75	33.35			
Deduct for galvanized soap cup\$0.50								
Deduct for faucets 4.00								
Deduct for wash tray plugs								
Deduct for painted iron legs								



Plate A-1195

The "National" Soapstone Combination Kitchen Sink and Laundry Tray on Painted Cast Iron Legs; fitted with Fuller Sink and Wash Tray Faucets, Nickel Plated Sink Strainer and Brass Wash Tray Plug, Galvanized Soap Dish and Oak Drain Board over Laundry Tray.

## DIMENSIONS

			Height	—Price—				
Length	Width	Depth	of Back	Tub Only	Complete			
48 inches	24 inches	16 inches	12 inches	\$19.50	\$29.20			
54 inches	24 inches	16 inches	12 inches	24.00				
60 inches	24 inches	16 inches	12 inches	28.75	38.45			
Deduct for nickel plated sink strainer . \$0.45 Deduct for brass wash tray plug								
Deduct 10:	r raucets, p	per set of t	our		4.00			

Note: This combination can be furnished with laundry tub on either right- or left-hand side of sink. When ordering please specify on which side the laundry tub is wanted. Unless otherwise specified, orders will be filled with combinations as shown in catalog.



Plate A-1197

#### THE "NATIONAL"

The "National" Soapstone Combination Kitchen Sink and Laundry Tray set on Cast Iron Bracket and Two Painted Cast Iron Legs; fitted with Oak Drain Board, Finished Brass Faucets, Galvanized Soap Cup, Nickel Plated Strainer in Sink, and Brass Wash Tray Plug.

#### DIMENSIONS

			Height	—Pr	ice—
Length	Width	Depth	of Back	Tub Only	Complete
48 inches	24 inches	16 inches	12 inches	. \$21.50	\$31.20
54 inches	24 inches	16 inches	12 inches	. 26.00	35.70
60 inches	24 inches	16 inches	12 inches	31.00	40.70
Deduct fo	r painted in	on legs, pe	r set of two		\$1.40
Deduct 10	r iour Full	er faucets			4.00
Deduct for	r nickel pla	ated sink s	trainer		45
Deduct for	r brass was	sh tray plu	g		
Deduct for	galvanize	d soap disi	h		
Deduct 10	oak drain	board			3.00





A-1200



Laundry Tray Legs

A-1200	Painted cast iron legs, each\$0.70
A-1200	Galvanized cast iron legs, each
A-1203	Painted wide flange legs, made from 1-inch angle iron, each



Plate A-1205

#### Laundry Tray Frames

A-1205 Tray Frame, made of 1-inch angle iron, well braced, making it strong and durable, supporting tray the full length. Cannot tip. One man can easily set a tray by using this frame. Made in two sizes.



Improved Pump Bracket

For flat rim or roll rim sinks.

Price, painted, each ... \$1.80

Price, enameled, each ... 2.40



Plate A-1208

#### Adjustable Sink Frame

Adjustable to all sizes of sinks. Price, per dozen......\$12.00



A-1215

#### Adjustable Sink Brackets





#### A-1218

#### ADJUSTABLE SINK LEG

Regular Leg Allows 3-inch Adjustment. Any adjustment required can be furnished upon order.

Price, painted, per pair.....\$2.00 Price, enameled, per pair..... 5.00

#### CAST IRON TRAPS

Size, inc	ches		11/4	11/2
		each		
A-1223	Painted,	each	1.50	2.00
A-1225	Painted,	each	1.75	2.30

Can be furnished Galvanized.



A-1220 A-1223





A-1230



A-1232



#### A-1235

#### **GREASE TRAPS**

A Trap for use under Kitchen Sink, Laundry Tub or other fixtures where grease and soap are likely to accumulate and stop up waste pipes, thus causing consequent annoyance.

A-1230 and A-1232 Inlet, Outlet and Vent Openings are all tapped for 2-inch iron pipe.

A 114-inch brass trap screw is place in the web of the interceptor, so that the outer space and waste pipe may be reached for cleaning. Six-inch polished brass trap screw cover, either hexagon or countersupk for wrench hexagon or countersunk for wrench.

Painted each	A-1230	A-1232
Painted, each	\$18.00	\$13.00
		17.00
Painted white enamel, each	25.00	17.00

Add for nickel plated brass cover, each, \$1.00.

Bolted covers furnished if desired.

A-1235 Cast Iron Grease Trap with Removable Top and 4-inch Hub Inlet and Outlet Connections. Can also be threaded for 2-inch, 3-inch or 4-inch iron pipe. Made in two sizes.

Length 21 inches 31½ inches	Width  18 inches  21½ inches  For 6-inch hub outlet,  For cover with handle	Depth 18 inches 18½ inches , add \$1.25. , add \$1.50.	Paintéd. Price, Each \$15.00 22.00







GREASE TRAPS

A-1238

A-1236 Cast Iron Grease Trap with removable top and 2-inch plain brass inlet and outlet connections.

A-1237 Cast Iron Grease Trap with water jacket painted. Made in three sizes.

Height, Inches	Diameter at Top, Inches	Waste Inlet, Inches	Waste Out- let, Inches	Cold Water Supply, Inches	apacity, Sallons	rice, Each, oith Trimmings	rrice, Each, Vithout rimmings
18	135/8	2	2	3/1	41/2	\$34.00	\$20.00
19	17	2	2	11/4	0		\$30.00
21	20	2	9	1/4	<i>3</i>	39.00	35.00
~ I	20	9	0	2	$15\frac{1}{2}$	45.00	41.00

A-1238 Cast Iron Grease Trap with removable top and 1½-inch plain brass inlet and outlet connections with vent.



A-1239



A-1940

FLAT RIM S	SLOP SINKS	
Size Plain Enameled 16x16x10 inches\$ 3.25 \$ 5.00 20x22x12 inches 5.00 7.20 24x20x12 inches 5.00 8.10 30x20x12 inches 8.00 10.80 Size of outlet, 4 inches.		\$ 5.10 6.00 7.25 10.50 12.75 19.00 23.00 33.25
	Di Outicts, N II.	CHCS.

Note: Above Sinks in Enameled Iron are not furnished with patent overflow. If wanted with overflow we can furnish with hole cast in for overflow strainer.







A-1242

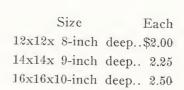
Hydrant Cesspool With Bell Trap

Hydrant Cesspool Without Bell Trap

Harris Slop Sink With Bell Trap Sunk Plate

Size	A-1242	A-1243
12x12x6-inch deep	\$1.50	\$1.00
14x14x6-inch deep	1.65	1.15
16x16x6-inch deep		1.30
18x18x6-inch deep		1.60
A-1242 has outlet for 2-inch so		
A 1040 1		

A-1243 has outlet for 4-inch soil or sewer pipe.









#### **BAYLEY SLOP HOPPERS**

A-1246 Round Hopper; size, 13-inches diameter; 12 inches deep. Each......\$3.50 A-1247 Square Hopper; size, 13 inches square; 12 inches deep. Each...... 3.50

#### **CELLAR TRAP**

-Each-Size Plain Galv. 9x 9x2<sup>1</sup>/<sub>4</sub> in.\$1.25 \$2.50  $12x12x2\frac{1}{2}$  in. 1.60 3.25











#### EXTRA HEAVY STABLE CESSPOOLS

With Bell Trap and Grating

Size of top, inches12x12	16x16	18x18
Size of outlet, inches 4		6
Length of outlet, inches 2		2
Price, painted, each\$3.75	\$4.50	\$10.00

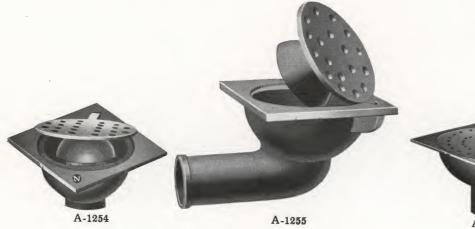
Add for 10-inch long outlet on all sizes \$1.00 each.

#### WILLETT CESSPOOL

With Trap and Loose Strainer

Top, 10 inches diameter; outlet, 4 inches hub; depth, 10 inches.

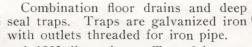
Price, each ......\$3.00





## CAST IRON CESSPOOLS WITH BELL TRAP

	Size of		A-1254 d Strainer	A-1255 Hinged Strainer		-1256 Strainer
Size	Outlet	Std.	Ex. Hvy.	Ex. Hvy.	Std.	Ex. Hvy.
6x 6 inches		\$1.00	\$1.50	\$1.35	\$0.75	\$1.25
9x 9 inches		1.35	1.85	2.25	1.00	1.50
10x10 inches		2.00	3.00		1.50	2.75
10x10 inches		2.00	3.00		1.50	2.75
12x12 inches		2.50	3.50		2.00	3.25
13x13 inches	4 inches	3.00	4.25	4.75	2.50	3.75



A-1260 dimensions: Trap, 3 in. outlet threaded for 3-in. iron pipe; diameter of top, 9½ inches.

Nickel plated flushing rim and nickel removable cover, each \$26.00.

**A-1262** is made with single or double strainer. Prices and dimensions as follows: Size of outlet, inches, 2, 3, 4. Diameter of top, inches, 9, 11, 13.

A-1260	Depth, inches, $13\frac{1}{2}$ , $18$ , $22\frac{1}{2}$ .	A-1262	
Price, with fin. bra	ass single strainer\$ 8.	.00 \$12.00	\$14.00
Price, with fin. bra	ass double strainer 9.	.00 13.00	15.00
Price, with nickel	plated single strainer 8.	.50   12.50	14.50
	plated double strainer 10.		16.00



A-1263 (Clutch Cover)



A-1265 (Bolted Cover)

## "PALMER" IMPROVED SEWER GAS AND BACK WATER TRAPS A-1263 and A-1265 prices:

2-in. 3-in. 4-in. 6-in. 8-in. 10-in \$6.00 \$6.50 \$7.50 \$10.00 \$15.00 \$26.00

Can also be furnished with hub and extension.

Prices on extension pieces as follows:
5-inch extension, 24 inches long, for 3-inch trap, each. \$4.00
6-inch extension, 24 inches long, for 4-inch trap, each. 5.00
8-inch extension, 24 inches long, for 6-inch trap, each. 10.00



A-1270

#### Trap Screw Ferrule

With iron	body and
brass cover.	List
Size	Price
2-inch	\$0.30
3-inch	
4-inch	
5-inch	
6-inch	1.20



A-1271

## For Lead Pipe

Size 2x3 in. Each.\$0.15 Size 4x3½ in. Each. .45



A-1272 Bar Strainers

							List
Size							Price
4-inch							\$0.25
5-inch							.30
6-inch							.35
7-inch							.60
8-inch							14 5







A-1277



A-1279

#### REFRIGERATOR DRAINS A-1275

		11 11010	
71	2-inch	liameter Round Drain. Each\$0.70	
10	-inch	liameter Round Drain. Each	
		A-1277	
9	-inch	ong Duck Bill Drain. Each80	
		A-1279	
12	-inch	ong Oblong Drain. Each	



Triumph Back Water Valve

This Valve has a copper float which operates automatically, closing against a heavy rubber seat. Each ......\$3.50



Duffy "No-Flud" Back Water Valve

Each ......\$2.50



A-1285 CAST IRON DRUM TRAPS

A-1284 Size 4 x  $8\frac{1}{2}$  in., tapped  $1\frac{1}{2}$  in. \$3.00 Size 4 x10 in., tapped 2 in.. 3.25 A-1285

Size  $4\frac{1}{4}$ x  $5\frac{1}{2}$  in., tapped  $1\frac{1}{2}$  in. 1.20 A-1286

Size 4 x  $8\frac{1}{2}$  in., tapped  $1\frac{1}{2}$  in. 2.50 Size 4 x10 in., tapped 2 in.. 2.75 All Traps are furnished with N. P. Covers threaded for 3-in. iron pipe.





#### A-1287 A-1288 J-M CLOSET BENDS AND CLOSET FERRULES

The J-M Bend is a simple, durable and practical connection between the water closet and soil pipe. Top





CT.		T.T.			- Charles
Hang	ge can be cut off to be made flush	with floor,	A	-1289	A-1290
		A-1287	Size		Price
J-M	Tapped Bend		4x15	in.	\$3.15
J-M	Tapped Bend		4x12½	in.	2.85
		A-1288	,		
J-M	Plain Bend		4x15	in.	2.55
J-M	Plain Bend		$4x12\frac{1}{2}$	in.	2.25
		A-1289	•		
J-M	Tapped Ferrule		4x15	in.	3.15
		A-1290			
I-M	Plain Ferrule		4x15	in	2.55



A-1304





A-1306



## ADJUSTABLE CLOSET BENDS

	Price, Each
A-1303	Plain Bend, complete, with
	collar, 12½ inches long\$1.60 Plain Bend, complete, with
A-1304	collar, 15 inches long 1.70 Tapped Closet Bend, com-
A 1001	plete, with collar, 12½ inches long 1.90
A-1304	plete, with collar, 15 inches
	long 2.00

#### **COLLARS ONLY**

#### A-1305 to A-1307 Collars Only

2-	to	3- inch	heights\$0.40
31/2-	to	4- inch	heights
41/2-	to	5½-inch	heights 1.00

Tapped bends are always furnished with 11/2-inch tapping unless otherwise specified. They can also be tapped 2 inches if wanted. Closet bolts for the above bends, each.\$0.10



Size, 21/2 x24 inches, each. .60 Size, 2½x30 inches, each. .80 2½-inch Diameter Boxes.



A-13	10	,	1100.
	Weight		Price,
Size	Pounds	Extension	Each
88	10	1 ft. stationary	\$0.55
89 A	12	1 ft. to 1 ft. 8 in.	.60
90 B	14	1 ft. 6 in. to 2 ft. 2 in.	.65
91 C	17	1 ft. 9 in. to 2 ft. 9 in.	.70
92 C	18	2 ft. to 3 ft. 2 in.	.75
92 D	20	2 ft. to 3 ft. 6 in.	.80
93 D	21	3 ft. to 4 ft.	.85
93 E	23	3 ft. to 4 ft. 6 in.	.90
94 D	24	3 ft. 6 in. to 4 ft. 9 in.	.95
94 E	25	3 ft. 6 in. to 5 ft.	1.00
95 E	29	4 ft. to 5 ft. 6 in.	1.10
100 E	31	4 ft. 6 in. to 6 ft.	1.15
100 F	33	4 ft. 6 in. to 6 ft. 6 in.	1.20



A-1313	A-1314	A-1315	A-1316
A-1313	Rod Clamps,	Galv., per	1b\$0.25
A-1313	Rod Clamps,	Blk., per 11	
A-1314	Service Box	Cover, each	1
	Service Box		
A-1316	Service Box	Key	

#### A-1310-Continued

Size 95 G 100 G 100 FX	35 38	Extension 4 ft. to 7 ft. 4 ft. 6 in. to 7 ft. 6 in.	Price, Each \$1.30 1.35 1.50
	3-Incl	h Diameter Boxes.	
0	$9\frac{1}{2}$ 1	o in, stationary	\$0.65
1	15	1 ft. 1 in. to 1 ft. 91/2 in.	.80
$1\frac{1}{2}$	19	1 ft. 6 in. to 2 ft. 4 in.	.85
2		2 ft. to 3 ft. 3 in.	.90
3		2 ft. 8 in. to 4 ft.	1.00
4 5	32	2 ft. 10 in. to 4 ft. 10 in.	1.05
		3 ft. 6 in. to 5 ft. 6 in.	1.15
7	40	4 ft. to 6 ft.	1.30

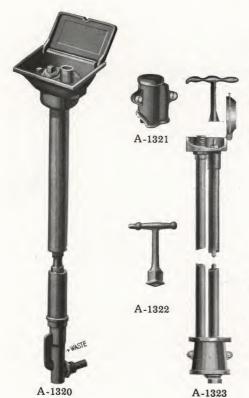




## WALL HYDRANTS—WITH KEY

A-1318 has bent nozzle; A-1319, straight nozzle.

701 * 1		—A-13	318		_	-A-13	19—	
Thickness	Br	ass	Nickel	Plated	Bra	100	Nickel I	Plated
of Wall	3/4-in.	1-in.		1-in.				
9-inch	/ 1		, 4		3/4-in.	1-in.	3/4-in.	1-in.
		\$9.00	\$6.00	\$10.00	\$3.50	\$7.00	\$4.25	\$8.00
13-inch	5.50	9.50	6.50	10.50	4.00	8.00	4.75	9.00
15-inch	. 5.75	9.75	6.75	10.75	4.25	8.50	5.00	9.50
16-inch	5.75	9.75	6.75	11.00	4.25	8.75	5.00	9.75
18-inch	6.00	10.00	7.00	11.25	4.50			
20-inch						9.00	5.25	10.00
99 : 1		10.25	7.25	11.50	4.75	9.50	5.50	10.50
04 1		10.50	7.50	11.75	5.00	9.75	5.75	10.75
24-inch		10.75	7.75	12.00	5.25	10.00	6.00	11.00
26-inch	. 7.00	11.00	8.00	12.25	5.50	10.25	6.25	11.25
28-inch	7.25	11.25	8.25	12.50	5.75	10.50	6.50	
30-inch		11.50	8.50					11.50
36-inch				13.00	6.00	10.75	6.75	11.75
	8.00	12.00	9.00	14.00	6.50	11.25	7.25	12.25



#### A-1320

#### TOTAL ECLIPSE STREET WASHERS

A-1320 Street Washer has an extra heavy iron box and lid japanned. Straight outlet. Positive automatic waste closes against the pressure.

A-1321 Sand Box and A-1322 key furnished with each Street Washer.

To Set in Ground	3/4-in.	1-in.
2 ft.	\$ 6.85	\$10.25
3 ft.	7.35	11.10
4 ft.	7.75	11.70
5 ft.	8.25	12.00
6 ft.	8.85	12.75
8 ft.	10.25	15.25
10 ft.	12.75	17.75

#### A-1323

#### No 3 McNAMARA STREET WASHERS

Valve body fitted for iron pipe.

Extra charge for lead pipe connection.

To Set in Ground	3/4-in.	1-in.
3 ft.	\$ 3.90	6.00
4 ft.	4.30	6.50
5 ft.	4.70	7.00
6 ft.	5.25	7.50
8 ft.	6.25	8.50





#### MURDOCK STREET WASHERS AND HYDRANTS

The Murdock Street Washers and Hydrants are of compression type and antifreezing. In ordering be careful to give length and whether wanted for lead or iron pipe.

То	set in	ı –	-A-1	.325	A-1	326—
gr	ound	3/4	in.	1 in.	3/4 in.	1 in.
2	feet	\$	7.50	\$ 9.00	\$ 9.00	\$11.50
3	feet	8	8.50	10.00	10.00	12.50
4	feet		9.50	11.00	11.00	13.50
5	feet	10	0.50	12.00	12.00	14.50
6	feet	11	.50	13.00	13.00	15.50



#### A-1328

#### A-1328

#### AUTO AND CARRIAGE WASHER

With our A-1328 Auto and Carriage Washer the hose never lies on the floor, nor is it necessary to drag it about. A 15-foot length of hose enables the user to reach every part of any car. To preserve the beautiful finish on an auto or carriage, unusual care should be taken in washing them. Water should be applied in a gentle, constant stream in order to get the best results. This can be accomplished by the overhead auto washer.

Price .....\$12.00



#### TRAP DRAINS



Fig. 1. Side view of Lynn Drain Trap, showing covers lifted and deposit pot discharging accumulated sediment.



Fig. 5. Sectional end view with dimensions.



Fig. 2. Side view, showing relation of parts when in service.

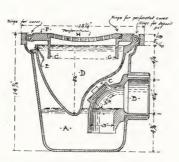
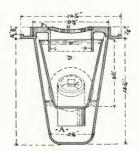


Fig. 3. Sectional side view, with dimensions. Fig. 4. End view, large cover open.



#### "LYNN" DRAIN TRAP

"Lynn" Drain Trap for automobile washstands, stables, breweries, factories, hospitals, etc. This trap is a simple, well made, ingenious device, especially desirable in garage service, where it will hold back the oil, gasoline, mud, sediment, etc., so that the water that goes into the drain is perfectly clear. The ease with which the drain is cleaned is seen from Figures No. 1 and No. 4 on the opposite page. The hub is made to receive 3-inch iron soil pipe. "D" is a hinged deposit pot which swings out to dump sediment.

Price, e	each
Figure No. 1\$1	5.00
Figure No. 2, same as No. 1 but with polished brass top grate 5	0.00
Figure No. 3, having double the capacity of Figure No. 1 and with 4-	
inch outlet 30	0.00
Figure No. 4, same as No. 3 but with polished brass top grate 70	0.00

#### A-1331

#### PENBERTHY AUTOMATIC CELLAR DRAINER

This cut illustrates the installation of the Penberthy Automatic Cellar Drainer in pit. The very compact arrangement of this drainer makes it necessary to construct only a small sump, which is very desirable because of the saving effected in both amount of space used and the cost of construction. The drainer is under the floor level, yet all parts are instantly accessible without disconnecting pipes or removing strainer.

Made in the following sizes:



A-1331

#### LIST PRICES AND CAPACITIES

		5	Sup-	Dis	3-				
		Ţ	oly	char	ge	Gallor	ns p	er Ho	ur
Size N	o. List	P	ipe	Pip	)e	20 to	80	lbs. pre	es.
1	\$ 25.00	$\frac{I}{2}$	in.	1	in.	115	to	650	
2	40.00	3/4	in.	11/4	in.	180	to	1050	
3	55.00	1	in.	$1\frac{1}{2}$	in.	310	to	1650	
4	80.00	$1\frac{1}{4}$	in.	2	in.	450	to	2400	
5	110.00	11/2	in.	21/2	in.	600	to	3200	
6	160.00								





A-1333 Style B

Style A

#### **DUNSTAN TRAPS**

Style "A" is made for caulking in hub of 4-inch soil pipe.
Style "B" is made with side outlet and especially designed for places where there is little fall to main sewer and the drain either goes in at the side or near the floor.

	Size Top	Height	Outlet	Ptd.	Galv.	Brass Top Finished	Brass Top N. P.
Style "A"	8½x8½	4	4	\$2.00	-\$2.50	\$8.00	\$10.00

		Size Top	Height	Outlet	Ptd.	Galv.	Tpd. I. P. Painted	Tpd. I. P. Galvanized	Brass Top Finished	Brass Top N. P.
Style "	В"	$8\frac{1}{2}$ x $8\frac{1}{2}$	$5\frac{1}{2}$	2	\$3.00	\$3.50	\$3.50	\$4.00	\$ 9.00	\$11.00
Style ":	В"	$8\frac{1}{2}$ x $8\frac{1}{2}$	$5\frac{1}{2}$	3	3.50	4.00	4.00	4.50	9.50	11.50
Style "	В"	11 x11	7	4	4.00	5.00	4.75	5.75	16.00	18.00



A-1334 Style C



A-1335 Style D **DUNSTAN TRAPS** 



A-1336 Style E

For caulking into soil pipe.

Style "E" is provided with an extra large floor flange to prevent water leaking through the ceiling, and is made especially for upper cement and asphalt floors.

A-1334

			Size Top	Height	Outlet	Ptd.	Galv.	Tpd. I. P. Ptd.	Tpd. I. P. Galv.	Brass Top Finished	Brass Top N. P.
Style	"C"	81	$\frac{1}{2}$ x 8 $\frac{1}{2}$	71/2	2	\$2.50	\$3.50	\$3.25	\$4.00	\$ 8.50	\$10.50
Style	"C"	10	x10	8	3	3.00	4.00	3.75	4.75	12.00	14.00
Style	"C"	11	x11	91/2	4	3.50	4.50	4.50	5.50	15.50	17.50
Style	"D"	14	x14	$12\frac{1}{2}$	4	5.00	8.00	6.50	9.50	18.00	21.00
Style	"D"	16	x16	14	6	8.00	12.00	10.00	14.00	23.00	26.00

	Size Top	Lower	Height	Outlet	Ptd.	Galv.	Tpd. I. P. Ptd.	Tpd. I. P. Galv.	Brass Top Finished	Brass Top N. P.
	"E"12x12			4	\$6.00	\$9.00	\$7.50	\$10.50	\$19.00	\$22.00
Style	"E"15x15	17x17	14	6	9.00	14.00	11.00	16.00	24.00	27.00



# A-1338 "Mueller" Water Strainers or Fish Traps for Service Pipes

 Size, inches.
 1/2
 3/4
 1
 11/4

 Price, each.
 \$2.70
 \$3.15
 \$5.20
 \$13.05

 Size, inches.
 11/2
 2
 21/2
 3

 Price, each.
 \$19.10
 \$28.45
 \$35.35
 \$43.45

This pattern of Water Strainer is a device for the protection of plumbing fixtures, meters, etc., from sand, shells and other foreign matter, by arresting their progress in the service pipes.

Its benefits to the property owner and the plumber are sufficient to justify the latter in figuring it in every job with which he has to do. It benefits the former in that it keeps his fixtures from premature wear and overcomes the cause of many a leak, and relieves the plumber of the necessity of making frequent and insignificant repairs that in many instances do not pay him for the actual time consumed. Its advantages are not only apparent in towns having good filtering systems, but doubly so where there is no such system.

In vacuum or other heating systems, especially where there are a large number of coils employed, it can be used as an intervention against the passage of scale or sediment from the pipe into the succeeding valves. It will serve efficiently on suction pipes to pumps, engines, and in fact any place where valves and other working parts are liable to injury or interference from matter carried through the pipes.

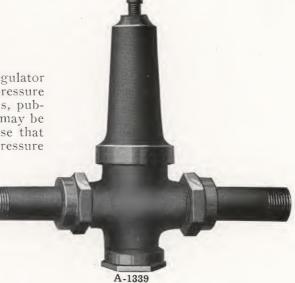
#### A-1339

#### Mueller Pressure Regulator

The service size Mueller Pressure Regulator is used principally to control water pressure in the supply pipes of dwellings, hotels, public buildings, factories, etc., although it may be used with equal facility for any purpose that requires a lower or more uniform pressure than that in the street mains.

Prices, each:

Size, in.... ½ ¾ 1 1¼ Rough ....\$7.75 \$8.00 \$11.35 \$16.45 Ro'gh, N.P. 8.45 8.70 12.25 17.60 Fin. .....10.00 10.25 13.85 19.25 Fin., N.P. .11.15 11.40 14.95 20.40





**A-1340** Nos. 1, 2, 3 and 4



**A-1341** Nos. 5 and 6



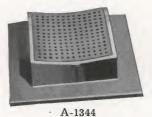
**A-1342** No. 7

#### MANHOLE FRAMES AND COVERS

	Diam.				Approx-		
	Bottom	Diam.	Diam.	Total	imate	Style	Price,
	Flange	Top	Opening	Height	Weight	Covers	Each
No. 1	36¼ in.	255/8 in.	21 in.	91/4 in.	540 lbs.	Solid	.\$17.50
No. 2	$36\frac{1}{4}$ in.	255/8 in.	21 in.	$9\frac{1}{4}$ in.	470 lbs.	Solid	. 15.00
No. 3	36¼ in.	255/8 in.	21 in.	91/4 in.	540 lbs.	Perforated	. 17.50
No. 4	36¼ in.	255/8 in.	21 in.	91/4 in.	470 lbs.	Perforated	. 15.00
No. 5	36 in.	24 in.	$20\frac{1}{4}$ in.	83/4 in.	350 lbs.	Solid	. 11.25
No. 6	36 in.	24 in.	$20\frac{1}{4}$ in.	83/4 in.	350 lbs.	Perforated	. 11.25
No. 7	36 in.	24 in.	20¼ in.	83/4 in.	340 lbs.	Grate	. 11.25



A-1343 Manhole Frame With Grate Cover



Gutter Manhole Frame With Perforated Cover



A-1345 Drain Curb and Grate

	A-1343	A-1344
Size of bottom flange, inches	. 36x36	17x17
Size of top outside, inches	19x19	11x11
Size of opening, inches	. 16x16	$9\frac{1}{4}$ x $9\frac{1}{4}$
Size of cover, inches		10 x10
Total height of frame, inches	$63/_{4}$	91/4
Approximate weight		55 lbs.
Price, each	\$18.00	\$9.00
A-1345		
Number	9	0

A-1040			
Number	1	2	3
Size of opening, inches	.8x12	10x15	$13x19\frac{1}{2}$
Diameter bottom flange	24	30	36
Total height	$43/_{4}$	91/4	101/8
Approximate weight, pounds	125		400
Price	\$5.75	\$15.00	\$20.00

No. 1 is made extra heavy and is for use on roadways. Nos. 2 and 3 are for sidewalks.







#### GUTTER CURB, PAN AND GRATE

Size of bottom flange, inches	3/4 x 2 3 3/4
Size top outside, inches	<sup>1</sup> / <sub>8</sub> x14 <sup>1</sup> / <sub>4</sub>
Depth of pan, inches	4
Diameter of pan outlet, inches	53/8
Total height of frame, inches	91/4
Price, complete	.\$14.00
If with extra heavy grate	. 16.50



A-1350



A-1353



A-1355

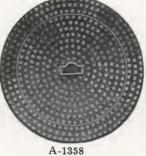
Sidewalk Frame and Cover Sidewalk Frame and Cover

Cleanout Frame and Cover

	Outside Dimensions	Size of Opening	Depth, Inches	Price, Each
A-1350	$24 \times 24$	$19\frac{1}{2}$ x $19\frac{1}{2}$	3	\$ 9.00
A-1350	$28\frac{1}{4}x28\frac{1}{4}$	$225/8 \times 225/8$	3	15.00
A-1353	16 x16	12   x12	9	4.50
A-1353	18 x18	14 x14	9	7.00
A-1353	24  x24	18 x18	9	13.00
A-13 <b>5</b> 3	$32\frac{1}{4}x32\frac{1}{4}$	$23\frac{1}{4}x23\frac{1}{4}$	4	12.00
A-1355	$27\frac{3}{4} \times 27\frac{3}{4}$	$26\frac{3}{8}$ x $26\frac{3}{8}$		









CLEANOUT FRAME AND COVER

COAL HOLE FRAME AND COVER

**EXTRA HEAVY** CLEANOUT FRAME AND COVER

	Outside	Size of	Depth,	Price,
	Diameter	Openings	Inches	Each
A-1357	28 in.	18 in.	4	\$ 6.50
A-1357	33 in.	24 in.	4	10.00
A-1357	423/4 in.	$32\frac{1}{2}$ in.	4	16.00
A-1358	30 in.	$22\frac{1}{2}$ in.	5	F F0
A-1359	19x25 in.	$10 \times 16$ in.	4	10.00
A-1359	23x31 in.	14x22 in.	4	
A-1359	25x35 in.	16x26 in.	4	1 = 00
A-1359	25x37 in.	16x28 in.	4	1000
A-1359	27x39 in.	18x30 in.	4	1205
A-1359	33x39 in.	24x30 in.	4	20.00
A-1359	27x41 in.	18x32 in.	4	10 NF
A-1359	31x43 in.	22x34 in.	4	00 " "
A-1359	31x49 in.	22x40 in.	4	25 15





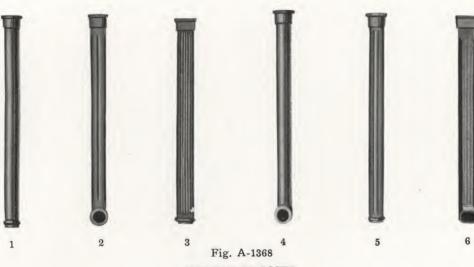


SEWER COVER

CISTERN COVER AND RING

CATCH BASIN COVER AND RING

<b>A-1360,</b> 18-inch diameter	\$1.20
A-1363 made in two sizes:	
18-inch, outside diameter 20 inches	5.00
20-inch, outside diameter 24½ inches	5.50
A-1365 made in two sizes:	
No. 1, outside diameter 14½ in. with 9½-in. opening	2.00
No. 2, outside diameter 21½ in. with 16¼-in. opening	3.00



#### **DOWN SPOUTS**

	DOWN	0015		
Number	Size, Inches	Length, Inches	Ptd., Each	Galv., Each
1 and 3	. 3	54	\$3.00	\$ 6.00
1 and 3	. 4	54	3.75	7.00
1 and 3	. 5	54	4.75	8.75
1 and 3	. 6	54	5.50	10.00
2 and 4	. 3	54	3.25	6.50
2 and 4	. 4	54	4.25	7.50
2 and 4	. 5	54	5.25	9.25
2 and 4	. 6	54	6.25	10.50
5	$.2\frac{1}{2}x3\frac{1}{2}$	54	3.40	6.50
5	.3 x4	54	4.50	8.50
5	.3 x5	54	5.50	10.00
5	.4½x5½	54	6.00	10.50
5	$.5\frac{1}{4}x6\frac{1}{2}$	54	6.75	12.00
6	$.2\frac{1}{2}x3\frac{1}{2}$	54	3.65	6.75
6	.3 x4	54	4.75	8.75
6	. 3½x4½	54	4.75	8.75
6	. 3 x5	54	5.75	10.25
6	.4½x5½	54	6.25	10.50
6	. 5½x6½	54	7.00	12.25



## STEEL BLOW-OFF, GRAVEL AND DRAINAGE CATCH BASINS

The above catch basins are fitted with combination 4-inch inlet and outlet for soil or screwed pipe connections, also with seal on outlet. 2-inch vapor vent and manhole in cover.

Diameter	Depth	Price, Each	Diameter	D = = 11-	Price,
			Diameter	Depth	Each
16 inches	16 inches		30 inches	30 inches	\$ 48.00
16 inches	20 inches		30 inches	36 inches	52.00
16 inches	24 inches		30 inches	42 inches	58.00
18 inches	18 inches		30 inches	48 inches	62.00
18 inches	24 inches	22.50	30 inches	54 inches	67.00
18 inches	30 inches	25.50	30 inches	60 inches	
20 inches	24 inches	25.00	36 inches	36 inches	
20 inches	30 inches	29.00	36 inches	42 inches	
20 inches	36 inches	31.50	36 inches	48 inches	
24 inches	30 inches		36 inches	54 inches	
24 inches	36 inches	43.00	36 inches	60 inches	
24 inches	42 inches		42 inches	42 inches	
24 inches	48 inches	51.00	42 inches	48 inches	
24 inches	54 inches		42 inches	54 inches	
24 inches	60 inches		42 inches	60 inches	
26 inches	30 inches		48 inches	48 inches	
26 inches	36 inches		48 inches	54 inches	
26 inches	42 inches		48 inches	60 inches	
26 inches	48 inches		48 inches	66 inches	
26 inches	54 inches		48 inches		
	or menes		to menes	72 inches	$\dots 138.00$



A-1370 Pitcher Spout Pump



A-1371



A-137

House Pumps

A-1370 Closed Top Pitcher Spout Pump with Revolving Top. Handle can be placed on any side of pump.

#### SIZES AND PRICES

					Price-	
	Size	Fitted			Brass	Porcelain
No.	Cylinder	for Pipe	Stroke	Iron	Lined	Lined
1	$2\frac{1}{2}$ in.	1 in.	4 in.	\$4.25	\$ 6.50	\$ 6.50
2	3 in.	1¼ in.	4 in.	4.75	7.25	7.25
3	$3\frac{1}{2}$ in.	11/4 in.	4 in.	5.25	8.00	8.00
4	4 in.	1½ in.	4½ in.	6.25	9.00	9.00
5	$4\frac{1}{2}$ in.	2 in.	5 in.	9.50	12.50	12.50
Extra	plungers and	rods for A-1370	)			1.50

#### **HOUSE PUMPS**

#### SPECIFICATIONS FOR A-1371 and A-1372

SPECIFICATIONS FOR A-1373 and A1374

Cylinder seamless brass tube. Diameter of barrel, 2½ inches. Stroke of plunger, 4 inches. Capacity, 10 gallons per minute. Lift, normal conditions, 26 feet. Suction tapped 1¼-inch pipe. Spout adjustable to any angle. Plunger valve seat brass. Stuffing box solid brass. Handle adjustable to any angle. Ful-

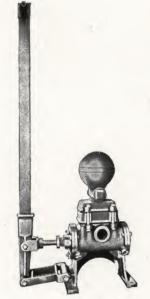


fing box solid brass. Handle adjustable to any angle. Fulcrum bearings drawn steel. Wall bracket surface,  $4\frac{1}{2}$ x11½ inches. Leverage of handle, 4.5 to 1. Fiber gaskets throughout. Brass polished or nickel plated. Iron parts aluminum finished. Drained by lifting handle. Packed for shipment in wood box. Shipping weight, boxed, 22 pounds. Suction pipe, 5½ inches from center to wall. List price, brass, A-1373 or

A-1374 ......\$8.00 List price, nickel plated, A-1373 or A-1374..... 8.50



A-1374



# A-1375 PNEUMATIC SYSTEM DOUBLE ACTING PUMP

Has a  $2\frac{1}{2}$ -inch brass cylinder, and piston has a  $4\frac{1}{2}$ -inch stroke. Plunger rod is packed with a single brass stuffing box which can be tightened at will.

The valves are of special oil tanned leather, arranged so that the suction valves and cylinder are always flooded, insuring the holding of the pump's priming. The suction is tapped on both sides of the pump for 1½-inch iron pipe. The discharge is tapped on both sides for 1-inch iron pipe. Cylinder is drained with two brass screws. Priming attachment as shown on A-1376 can be furnished without extra cost if specified when ordering.

List price ......\$16.00

#### A-1376

Pneumatic system double acting pumps equipped with air compressor and priming attachment.

The A-1376 pump has a  $2\frac{1}{2}$ -inch brass cylinder and the piston has a  $4\frac{1}{2}$ -inch stroke. Plunger rod is packed with a single brass stuffing box, which can be tightened at will. The air compressor cylinder is  $1\frac{1}{4}$  inches in diameter seamless brass tubing, equipped with special air valve. Air valve has heavy brass seat and brass regulating screw so that the right amount of air can be pumped at each stroke.

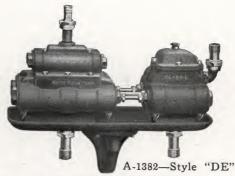
Suction tapped 11/4 inches on both sides of pump.

Discharge tapped 1 inch on both sides of pump.





A-1380—Style "DA



"V. & K." WATER MOTOR PUMPS

The "V. & K." Water Motor Pumps, described on this page, are for use in all localities where the city water is hard and unfit for domestic use, and where soft or rain water is used for bathroom, kitchen and laundry purposes.

#### A-1380-STYLE "DA"-FIGURE No. 87

Figure No. 87 shows the "V. & K." Style "DA" Water Motor Pumps used with the "V. & K." Direct Pressure Systems. This is the most popular type of system in use, and with the pump must be used a compression tank of at least 30 gallons capacity or more for best results.

#### A-1382—STYLE "DE"—FIGURE No. 84

Figure No. 84 shows the "V. & K." Style "DE" Water Motor Pumps for use with the "V. & K." Direct Pressure Economy Systems. With this system no city water is wasted, all being utilized at the hard water fixtures. From 80 to 200-gallon Compression Tanks must be used to get best results. A safe rule to follow is to figure on 80 gallons for the smallest requirements, and 25 to 30 gallons in tank capacity for each member of the household.

and 25 to 30 gallons in tank capacity for each member of the household.

Style "DE" Motor Pumps include the "V. & K." Economy Valve, the "V. & K." Hand Operated Air Compressor, the "V. & K. Air Separator, and a full set of brass union fittings. Price, all sizes, each..........\$64.00

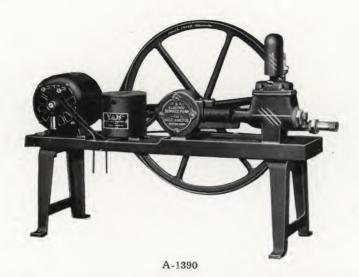


Figure No. 77 shows the "V. & K." Style "D" Motor Pump for the plain open tank and open tank economy systems.



#### Table of Sizes, etc.

	Wa	Size o	of Pipes	to Use,	Inches			
Size No.	Direct Pressure System Style DA	"V. & K." Economy System Style DE	Plain Open Tank System Style D	Open Tank Economy System Style D	Supply	Ex- haust	Suc- tion	Dis- charge
4 5 6 7	40 15 25 65	60 25 40	25 8 15 40	40 15 25	1/2 3/4 3/4 1/2	3/4 3/4 3/4 3/4	1 3/4 1	3/4 1/2 3/4 3/4



#### "V. & K." ELECTRIC WELL WATER PUMPS FOR SHALLOW WELLS

The Figure No. 130 Pumps illustrated above are for use in supplying water from wells, lakes or streams to residences for all general purposes, including sprinkling lawn or garden, watering stock, etc. They may be used in any locality where electric current is available for operating them.

Figure No. 130 Pumps are suitable for raising water by suction 20 to 22 feet vertically, and for discharging against 50 lbs. pressure in the tanks. They are automatic in operation, quiet running and reliable.

The complete outfit includes the Pump, Electric Motor, Automatic Electric Switch, all mounted upon a heavy iron bed plate on legs, as shown in the cut. Also Air Pumping Attachment, Vacuum Chamber, Handle for Operating by Hand, and Pressure Relief Valve.

#### TABLE OF SIZES, ETC.

				,			
	Capacity	Size	Size		— DIME	NSIONS —	
Size No.	per hour	Suction	Discharge	Length	Width	Height	Weight
3			½ in.		10 in.	24 in.	150 lbs.
5			3/4 in.		13 in.		250 lbs.
7	720 gal.	7 -1	1 in.		13 in.		310 lbs.
			motor for 60				
			otor for 110				
			motor for 25				
phas	e, 110 or 220	volt alter	nating curren	, 30, 40, 30			162.00
Price, N	o. 3D, compl	ete with n	notor for 30 o	r 60 volt d	irect curren	t, for operat	ting
			t without mo				
,			atic electric s				00.00
Price N			motor for 60				volt
			otor for 110				
			motor for 25				
			nating curren				
			notor for 60				
volt	alternating of	current					195.00
Price, No	o. 5E, comple	ete, except	without mot	or or moto	r pulley		110.00
	If	without at	itomatic eleci	tric switch,	deduct \$20	.00.	





A-1395

#### "V. & K." ELECTRIC RAIN WATER PUMPS

#### For Direct Pressure Systems

The "V. & K." Electric Rain Water Pump is a much more satisfactory device for soft water service than is the water motor pump or water lift, and for best results its use is recommended in preference to the water lift. This is particularly true in localities where the city water is low or varying or where it contains sulphur, alkali, grit or other substances which affect the working parts of the lift.

It maintains an even pressure at all times and is not affected by varying city water pressures, as is the water lift. It is suitable for a vertical suction lift of 22 feet and a discharge pressure of 35 pounds or a head of 75 feet.

When the "V. & K." Automatic Electric Switch stops the motor there is no further opportunity for waste, as is true with the ordinary water lift.

From actual service tests it was found that the "V. & K." Electric Rain Water Pump will supply the average household with soft water at a cost of about 3 cents per month, or, based on a current rate of 10 cents per kilowatt hour, the cost of pumping is  $6\frac{1}{2}$  cents per 1,000 gallons in current consumed.

All working parts operate in an oil-tight, dustproof crank case in a bath of oil. One filling with oil will last a year in average service.

This outfit is suitable for continuous service and is fully guaranteed. It may be used for well pumping where 35 pounds pressure is sufficient for requirements.

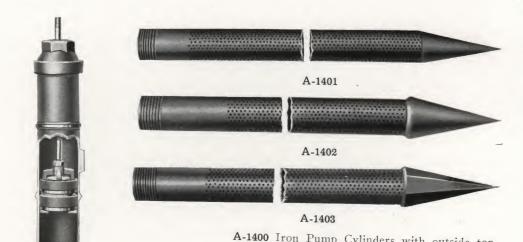
Gallons per hour, 180; pressure, 35 pounds; suction, ¾-inch; discharge, ½-inch; length, 33 inches; width, 10 inches; height, 20 inches; weight, 130 pounds.

Price, No. 1A, complete with motor for 60 cycle, single-phase, 110 or 220 volt

Price, No. 1C, complete with motor for 30 or 60 volt direct current for operating

Prices include motor, pump and automatic electric switch, all mounted on wood base; also air separator, air chamber for suction, special air pumping attachment, pressure relief valve and union connections for suction and discharge.

This outfit furnished on legs instead of brackets if desired, at same price.



A-1400 Pump Cylinders

Size, Inches	All Iron	Iron Body  Brass Cage and Valve Iron Plunger Follower
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	\$ 3.75 4.00 4.35 4.70 5.00 6.00 7.00 9.00 12.50 16.50 24.00	\$ 4.50 4.75 5.35 5.70 6.25 7.50 8.75 11.50 15.75 20.50 29.00
2 x 12 2½ x 12 2½ x 12 2¾ x 12 3 x 12 3½ x 12 3½ x 12 3½ x 12 3½ x 12 4 x 12 4½ x 12 5 x 12 6 x 12	5.50 5.75 6.00 6.50 7.00 8.00 9.00 11.50 15.00 20.00 28.50	6.25 6.50 7.00 7.50 8.25 9.50 10.75 14.00 18.25 24.00 33.50
2 x 14 2½ x 14 2½ x 14 2¾ x 14 3¼ x 14 3½ x 14 3½ x 14 4½ x 14 4½ x 14 5 x 14 6 x 14	6.00 6.25 6.50 7.00 7.50 8.75 10.00 13.00 17.50 22.50 33.50	6.75 7.00 7.50 8.00 8.75 10.25 11.75 15.50 20.75 26.50 38.50

# A-1400 Iron Pump Cylinders with outside top and bottom adjustment and leather suction valves. Cylinders 10½ inches long have one cupped leather packing. Cylinders 12 to 24 inches long have two cupped leather packings.

## WELL POINTS

A-1401 Flush Well Point

Inside Diameter,	Length of Point,	Length of Jacket,	Price, Per Dozen			
Inches	Inches	Inches	60 Gauze	70 Gauze		
$1\frac{1}{4}$	24	18	\$ 36.00	\$ 44.00		
$1\frac{1}{4}$	30	24	46.00	55.00		
$1\frac{1}{4}$	42	24	56.00	65.00		
$1\frac{1}{4}$	48	30	66.00	76.00		
$1\frac{1}{4}$	54	30	71.00	81.00		
$1\frac{1}{4}$	54	36	76.00	87.00		
114	60	42	86.00	98.00		
11/4	60	48	91.00	104.00		
1 1/4	66	48	96.00	109.00		
1/4	72	48	101.00	114.00		

#### A-1402 and A-1403 Brass Jacket Drive Well Points

Inside Diameter,	Length of Point	Length of	Price Pe	er Dozen
Inches	Inches	Jacket, Inches	60 Gauze	70 Gauze
1	30	24	\$ 42.00	\$ 49.00
$1\frac{1}{4}$	24	18	36.00	44.00
$1\frac{1}{4}$	36	30	56.00	66.00
$1\frac{1}{4}$ $1\frac{1}{4}$ $1\frac{1}{4}$	48	42	76.00	88.00
$1\frac{1}{2}$ $1\frac{1}{2}$	30	24	60.00	70.00
$1\frac{1}{2}$	36	30	72.00	84.00
$1\frac{1}{2}$	48	42	96.00	111.00
2	30	24	90.00	101.00
2	48	42	135.00	151.00
2	60	54	165.00	184.00
$2\frac{1}{2}$	36	30	180.00	205.00
$2\frac{1}{2}$	60	54	280.00	325.00
3	48	42	300.00	345.00
3	60	54	360.00	415.00











-1404 A-1405 Valve and Plunger Leathers

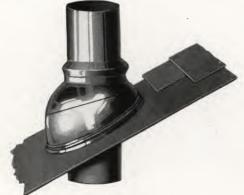
A-1406 A-1407 Sisson Insertable Joint 14 inches long

Diameter of Cyl-			1				1	-				
inder, inches	13/4	2	$2\frac{1}{4}$	$2\frac{1}{2}$	$2\frac{3}{4}$	3	31/4	$3\frac{1}{2}$	4	$4\frac{1}{2}$	5	6_
A-1404 Plunger												
Leathers, Crimped	\$0.08	\$0.09	\$0.10	\$0.12	\$0.13	\$0.16	\$0.18	\$0.23	\$0.30	\$0.38	\$0.45	\$0.65
A-1404 Plunger												
Leathers, Flat		.07	.08	.08	.10	.11	.13	.15	.18	.20	.25	.33
A-1405 Valve												
Leathers		.07	.08	.08	.10	.11	.13	.15	.18	.20	.25	.33

A-1406 Sisson Insertable Joint.

Size, inches	2	3	4	5	6
Standard, each	\$1.40	\$1.50	\$1.80	\$2.10	\$2.60
Extra Heavy, each	1.50	1.70	2.00	2.30	2.80

A-1407 shows sectional view of Sisson Insertable Joint.



A-1408 Bullard Adjustable Roof Flange



A-1410 Vent Cap with Set Screw



A-1412 Figure 2 Cleanout Tee

Gina in the	11/	11/	9	0	4	E	C
Size, inches	1/4	1/2		0	4	9	0 .
A-1408 Galvanized, dozen	\$ 8.00	\$ 8.00	\$10.00	\$11.00	\$12.00	\$17.00	\$30.00
A-1408 Copper, dozen	15.00	15.00	17.00	19.00	20.00	27.00	40.00
		1					

2	3	4	6 -
\$0.30	\$0.40	\$0.50	\$0.75
	.50	.60	.90
1.05	1.70	1.85	3.70
1.25	2.15	2.30	4.60
		\$0.30 \$0.40 .40 .50 1.05 1.70	\$0.30 .40 1.05 \$0.40 \$0.50 .60 1.85



A-1421

#### CAST IRON SOIL PIPE

List Prices, Sizes, inches	2	3	4	5	6	8	10	12
A-1420 Standard Double Hub Pipe per 5-foot length	\$1.40	\$1.85	\$2.40	\$3.10	\$3.70	\$8.00	\$13.00	\$16.00
per 5-foot length	1.30	1.75	2.30	2.90	3.50	7.00	12.00	15.00
A-1420 Extra Heavy Double Hub Pipe for 5-foot length	2.10	3.25	4.40	5.70	6.80	12.00	19.00	23.00
A-1421 Extra Heavy Single Hub Pipe for 5-foot length	2.00	3.10	4.20	5.50	6.50	11.00	18.00	22.00
Average weight Standard per 5-foot length	18 lbs.	26 lbs.	35 lbs.	45 lbs.	55 lbs.	85 lbs.	115 lbs.	165 lbs
Average weight Extra Heavy per 5- foot length	27½lbs.	$47\frac{1}{2}$ lbs.	65 lbs.	85 lbs.	100 lbs.	170 lbs.	225 lbs.	270 lbs



A-1423 Quarter



A-1425 Fifth



A-1427 Sixth



A-1428 Eighth



A-1430 Sixteenth

#### **CAST IRON SOIL PIPE BENDS**

L	ist Prices			Ex	tra H	leavy							Stan	dard			
	OZZODII I I I I I I I I I I I I I I I I I I		-	4	5	6_	8	10	12	2	3	4	5	6	8		12
A-1423	Quarter Bend	0.55	0.70	0.85	1.25	1.55	5.00	6.50	10.80	0.40	0.55	0.70	1.05	1.30	4.00	5.90	8.65
A-1425	Fifth Bend										.80	.80	1.05	1.30	4.00		
A-1427	Sixth Bend	.45	.75	.75	1.25	1.55	5.00	6.50	10.80		. 60						
A-1428	Eighth Bend	.40	.55	.75	1.00	1.25	5.00	6.50	10.80	.35	.45					5.90	
A-1430	Sixteenth Bend.	.40	.70	.70	1.00	1.25	5.00	6.50	10.80	.35	.50	.60	.80	1.00	4.00	5.90	8.65
										Į.							







A-1435



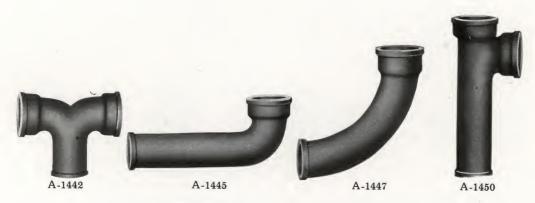
A-1437



A-1440

#### CAST IRON SOIL PIPE FITTINGS

List Prices		Extra Heavy				Standard				A-1440 Reducing Quarter Bends			
Sizes, inches	2	3	4	5	6	2	3	4	5	6	Sizes	Extra	Stand-
A-1433 Double Hub Bend A-1435 and A-1437 quarter bends												Heavy	ard
with 2-inch inlets	1.55	1.55	1.55	4.60	5.40	1.25	1.25	1.25	3.70	4.30	3x2	1.10	.90
Ditto, with 3-inch inlets Ditto, with 4-inch inlets		1.55	$3.85 \\ 3.85$	4.60	$\begin{vmatrix} 5.40 \\ 5.40 \end{vmatrix}$		1.25	3.10 3.10	$\frac{3.70}{3.70}$	$\begin{array}{c} 4.30 \\ 4.30 \end{array}$	5x4 6x4	$\frac{2.20}{3.00}$	$\frac{1.90}{2.40}$



List Prices		Extra Heavy							Standard						
Sizes, inches	2	3x2	4x2	4x3	4	5	6	2	3x2	4x2	4x3	4	5	6	
A-1442 Double quarter bends	1.85	3.05	3.45	3.45	3.45			1.50	2.45	2.80	2.80	2.80			
A-1445 Long quarter bends, 24-ins.	1.85				3.40	6.15	6.90	11.50				2 75		1	
A-1445 Long quarter bends, 18 ins.	1.30				2.30	5.40	6.15	1.05				1.50	4.30	5 0	
A-1445 Long quarter bends, 12 ins.	1.10				1.55	4.60	5.40								
A-1447 Long sweep quarter bend	.90				1.55	2.00	3.40								
A-1450 Tee 18 inches long	2.45				4.30	5.25	6.15	2.00							
A-1450 Tee 24 inches long	2.75				5.05	6.15	7.25								
A-1450 Tee 30 inches long					5.85	7.10	8.45								
A-1450 Tee 36 inches long					6.60	8.15	9.58								











A-1455

457

A-1452, A-1453 and A-1455 SOIL TEES

Size, inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4	5x5
A-1452 and A-1453 Extra Heavy Standard	\$0.75 .55		\$1.10 .85	\$1.10 .85	\$1.25 1.00	\$1.40 1.00	\$1.45 1.20	\$1.55 1.25	\$1.70 1.40	\$2.00 1.65
Sizes, inches	6x2	6x3	6x4	6x5	6x6	7	8	10	12	15
A-1452 and A-1453 Extra Heavy Standard	\$2.15 1.80	\$2.15 1.80	\$2.15 1.80	\$2.45 2.00	\$2.45 2.00	\$9.80 7.00	\$9.00 6.00	\$15.10 10.80	\$19.40 15.10	\$42.00 33.60

A-1455 Side Inlet Tees, add to above prices for Inlets: 2-in., \$1.00; 3-in., \$1.25; 4-in., \$1.50; 6-in., \$2.50.

#### A-1457 and A-1458 TAPPED SOIL TEES

Size, inches	2	3	4	5	6
Size of tapping, inches	11/4, 11/2, 2	11/4, 11/2, 2	11/4, 11/2, 2	11/4, 11/2, 2	11/4, 11/2, 2
A-1457 Straight Tee, extra heavy	\$0.85	\$1.10	\$1.25	\$2.00	\$3.10
A-1457 Straight Tee, standard		.85	1.00	1.60	2.50
A-1458 Sanitary Tee, extra heavy	.90	1.10	1.55	2.30	3.70
A-1458 Sanitary Tee, standard	.75	.95	1.25	1.85	2.95







A-1461



A-1462



A-1463

#### A-1460 and A-1461 SOIL CROSSES

Size, inches	2x2	3x2	3x3	4x2	4x3	4x4	5x2	5x3	5x4	5x5
Extra heavy	\$1.55		\$2.00			\$2.15				\$6.15
Standard	1.25	\$1.65	1.65	\$1.80	\$1.80	1.80	\$4.95	\$4.95	\$4.95	4.95
Cias inches		1 6-0	C9	C A	C5 1	CC	7	0	10	10 10
Size, inches		UX2	GXO	0X4	OXO	UXU	-	8	10	12x10
Size, inches.  Extra heavy. Standard.						\$7.70	\$14.70	\$13.50	\$22.65	\$29.15

#### A-1462 and A-1463 TAPPED SOIL CROSSES

Size, inches	2	3	4	. 5	6
Size of tapping, inches		11/4, 11/2, 2	11/4, 11/2, 2	11/4, 11/2, 2	11/4, 11/2, 2
A-1462 Straight crosses, extra heavy	\$1.40	\$1.55	\$1.70	\$2.80	\$4.30
A-1462 Straight crosses, standard		1.25	1.40	2.25	3.45
A-1463 Sanitary crosses, extra heavy		1.85	2.15	3.40	5.10
A-1463 Sanitary crosses, standard	1.25	1.50	1.75	2.75	4.10









A-1465

## A-1464 and A-1465 SINGLE AND DOUBLE HUBS

Size, inc	hes	2	3	4	5	6	7	8	10	12
A-1464 A-1464 A-1465	Single hub, extra heavy	\$0.60 .50	.75	\$0.90 .70 .75 .60	$\frac{1.25}{1.25}$	$\frac{1.85}{1.55}$	\$4.90 3.50 4.90 3.50	$\frac{2.50}{3.50}$	4.85	\$9 20

#### A-1469 and A-1470 PIPE BANDS

						1122				
Size, inches	2x2	3x2	3x3	4x2	4x4	5x2	5x4	5x5	6x2	6x4
A-1469 Pipe band with T or Y branch, extra heavy	\$1.30						\$2.15	\$2.30	\$2.45	\$2.60
branch, standard	1.05	1.20	1.20	1.30	1.50	1.60	1.75	1.85	1.95	2.10
Size, inches						2	3	4	5 1	6
A-1470 Plain pipe bands, extra he A-1470 Plain pipe bands, standar	29 VV					@1 10	\$1.25 1.00	\$1.40	\$1.70	\$2.00
						100	1.00	1.10	1.00	1.00









	A-ilating	1473 Branc	hes			1475 ests				-1477 f Plate	es
Size, inches	2	2	2	2	2	2	2	2	2	3	3
Offset, inches	\$0.75 .60	\$0.75 .60		8 \$0.90 .75	10 \$1.25 1.00	12 \$1.40 1.15					\$1.25 1.00
Size, inches	3	3	3	3	4	4	4	4	4	4	4
Offset, inches	6 \$1.40 1.10	8 \$1.55 1.25			\$1.25 1.00	4	6 \$1.40	8 \$1.55	10 \$1.85	12	14
Size, inches	4	4	4	4	5	5	5	5	5	5	5
Offset, inches	16 \$3.40 2.00									12 \$4.45	16 \$6.60 5.35
Size, inches				6	6	6 1	6	6	6	6	6
Offset, inches A-1472 Extra heavy, each A-1472 Standard, each				4 \$4.15 3.35				12 \$6.15 4.95	14 \$7.70	16 \$8.30	18
Size, inches	2x2		4x2	4x3	5x2	6x2	6x3	2	4	5	6
A-1473 Vent, branches, extra heavy, each	\$1.10	\$1.40	\$1.40	\$1.85	\$5.40	\$7.70	\$7.70				
A-1475 Rests, ex. hvy, each A-1475 Rests, stand., each A-1477 Roof plates, extra								\$0.40 .30	\$0.45 .40	\$0.90 .75	\$1.15 .95
heavy, each	• • • • • •									1.00	1.25





A-1479

Full "S" Trap



A-1480

Half "S" Trap



A-1482

Half "S" Trap With Brass Trap Screw

Size, inches		2	3	4	5	6	8
A-1479 Full "S" trap, ex A-1479 Full "S" trap, str A-1480 Half "S" trap, ex A-1480 Half "S" trap, st A-1482 Half "S" trap, ex A-1482 Half "S" trap, ex	andard, each artra heavy, each andard, each	\$1.10 .90 1.10 .90 3.60 3.40	\$1.40 1.15 1.40 1.15 3.90 3.65	\$1.85 1.50 1.85 1.50 4.35 4.00	\$5.40 4.30 5.40 4.30 7.90 6.80	\$6.15 4.95 6.15 4.95 8.65 7.45	\$13.00 10.00 13.00 10.00 15.50 12.50



A-1483
Running Trap with
Hub Vent

Half "S" Trap with Top
Vent and Brass Trap
Screw

				V .	1			
Size, inches	2	3	3	4	4	5		
Vent, inches		2	3	2	4	2		
A-1483 Ex. hvy, ea.	\$1.25	\$1.70	\$1.70	\$2.75	\$2.75	\$6.90		
A-1483 Std., each		1.35	1.35	2.30	2.30	5.50		
A-1484 Ex. hvy, ea.				5.25				
A-1484 Std., each	3.75	3.85	3.85	4.80	4.80	8.00		
Size, inches	5	5	6	6	6	8		
Vent, inches	4	5	2	4	5	6		
A-1483 Ex. hvy, ea.	\$6.90	\$6.90	\$9.25	\$9.25	\$9.25	15.00		
A-1483 Std., each	5.50	5.50	7.40	7.40	,	12.00		
A-1484 Ex. hvy, ea.								
A-1484 Std., each	8.00	8.00	9.90	9.90				



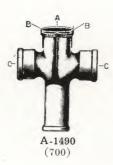
A-1485 Plain Increasers

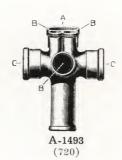


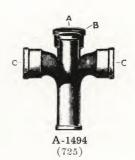
A-1487 Tapped Increasers

			Ex. S	Stand-
Sizes		]	Hvy.	ard
11/2x4x24 in.	Tapped.	Each	\$2.75	\$2.25
2 x4x24 in.	Tapped.	Each	2.75	2.25
2 x4x24 in.	Plain. E	Cach	1.55	1.25
2 x4x30 in.	Plain. E	Cach	2.00	1.65
4 x5x30 in.	Plain. E	ach	2.45	2.00
4 x5x36 in.	Plain. E	ach	4.60	3.70
4 x6x24 in.	Plain. E	ach	4.60	3.70
4 x6x30 in.	Plain. E	ach	4.60	3.70
4 x6x36 in.	Plain. E	ach	5.40	4.30



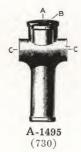




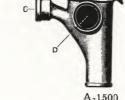


#### F. & W. SANITARY CROSSES

		ist
A-1490	Size $2x1\frac{1}{2}x1\frac{1}{2}$ inches, tapped\$3	.75
A-1490	Size $2x1\frac{1}{2}x2$ inches, tapped	.75
A-1490	Size 4x2x4 inches, hub	.00
A-1493	Size 4x2 inches	.50
A-1494	Size 2x1½x1½ inches, tapped	.00
A-1494	Size $2x2x1\frac{1}{2}$ inches, tapped	.00
A-1494	Size 2x1½x2 inches, tapped	.00
A-1494	Size 2x2x2 inches, tapped	.00
A-1494	Size 4x2x4 inches, hub	.00





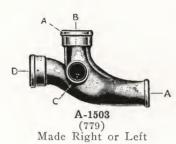


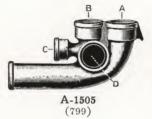
**A-1497** (770) Made Right or Left A-1500 (740) Made Right or Left

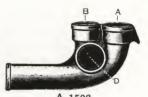
4 1405		List
A-1495	Size $2x1\frac{1}{2}x1\frac{1}{2}$ inches, tapped	\$2.75
A-1495	Size 2x1½x2 inches, tapped	2.75
A-1495	Size $2x2x1\frac{1}{2}$ inches, tapped	9.75
A-1495	Size 2x2x2 inches, tapped	2.75
A-1497	Size $2x1\frac{1}{2}x1\frac{1}{2}$ inches, tapped	2.25
A-1497	Size 2x1½x2 inches, tapped	2.25
A-1497	Size $2x2x1\frac{1}{2}$ inches, tapped	2.25
A-1497	Size 2x2x2 inches, tapped	2.25
A-1497	Size $3x2x1\frac{1}{2}$ inches, tapped	2 75
A-1497	Size 4x2x4 inches, hub	2.10
A-1500	Size dry inches	. 3.50
A-1500	Size 4x2 inches	. 4.75
A-1900	Size 4x3 inches	. 5.00







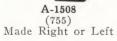




	H-1906	
Made	(798) Right or	Left

	Lis	t
A-1503	Size 4x2 inches	5
A-1505	Size 4x2 inches 5.5	0
A-1506	Size 4x2 inches	0







A-1509 (757) Made Right or Left



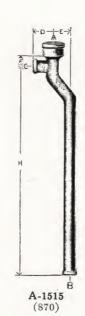
A-1510 (756) Made Right or Left

	Lis	st
A-1508	Size 4x2 inches\$4.2	5
A-1509	Size 4x2 inches 4.2	5
A-1510	Size 4x2 inches	25



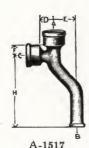








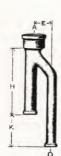
			Lis	st
A-1512	Size 2x2	inches	Lis	5
A-1512	Size 3x2	inches	4.0	00
A-1514	Size 2x11/2	inches	3.2	25
A-1514	Size 2x2	inches	3.2	5
A-1515	Size 2x11/2	inches	3.2	15
A-1515	Size 2x2	inches	3.9	2.5
A-1516	Size 2x2	inches	3.2	5



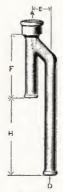




A-1518 (885)



A-1519 (905)



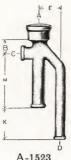
**A-1520** (890)

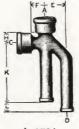
A-1517	Size 2x2	inches	s	K
A-1518 A 1519	Size 2x2	inches	S	5
A-1520	Size $2x^2$	inches	S	5
			~	Ð

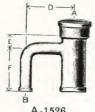












A-1523	
(907)	

**A-1524** (825)

A-1526 (945)

														List
A-1522	Size 2x1 1/2	inches	 	 	 		 		 		 			\$1.50
A-1523	Size 2x1½	inches	 	 	 		 	٠.	 		 			2.25
A-1523	Size 2x2	inches	 	 	 		 		 		 			2.25
A-1524	Size 2x2	inches	 	 	 ٠.		 		 		 			2.25
A-1524	Size 3x2	inches	 	 	 	٠.	 		 		 			2.75
A-1526	Size 2x2	inches	 	 	 ٠.		 		 		 	٠.		1.50
A-1526	Size 3x2	inches	 	 	 				 		 			1.75
A-1526	Size 4x2	inches	 	 	 		 		 		 			2.00



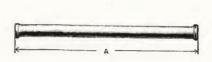




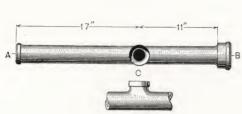
	Lis	t
A-1527	Lis Size 2 inches	5
A-1528	Size 2 inches	5
A-1528	Size 3 inches	5
A-1528	Size 4 inches	5
A-1529	Size 1½x1½ inches	0
A-1529	Size 2 x1½ inches	0
	Size 2 x2 inches 3.00	

(800)

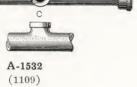


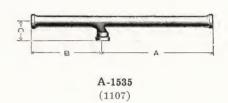




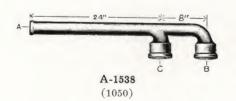


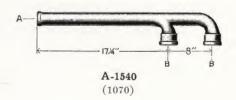
A-1530 (1097)





		List
A-1530	Size 1½ inches	\$1.00
A-1530	Size 2 inches	1.25
A-1532	Size 1½x1½x1½ inches	2.25
A-1532	Size 2 x2 x1½ inches	2.50
A-1534	Size 1½ inches	.75
A-1534	Size 2 inches	1.00
A-1535	Size 1½x1½ inches	2.25
A-1535	Size 2 x1½ inches	2.50

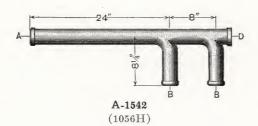


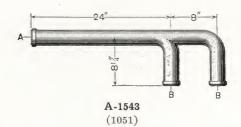


			List
A-1538	Size 2x2	inches	 \$3.00
A-1540	Size 2x1½	inches	 2.25

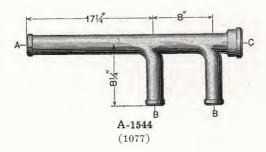


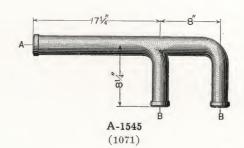




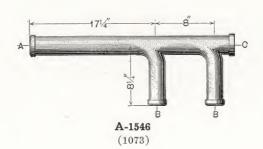


		LIST
A-1542	Size 2x2x2 inches, hub	\$3.25
A-1543	Size 2x2 inches	3.00

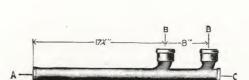




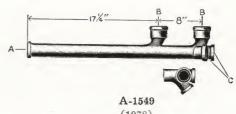
			List
A-1544	Size 2x2x1½	inches	 \$2.50
A-1544	Size 2x2x2	inches	 2.75
A-1545	Size 2x1½	inches	 2.25



-			List
A-1546	Size 2x1½x1½	inches	\$2.25
A-1546	Size 2x1½x2	inches	2.50
A-1546	Size 2x2x2	inches	2.50

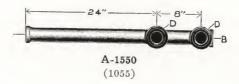


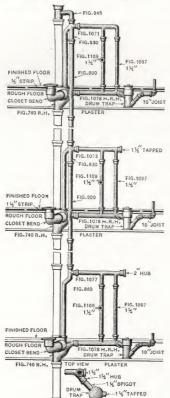




	(1078	)	
Made	Right	or	Left

A-1548	Size 2x1½x1½ inches	\$2.50
A-1549	Size 2x1½x1½ inches	2.75





The accompanying cut shows the correct installation of a number of F. & W. Fittings shown in this catalog, insuring proper drainage and ventilation to the plumbing system, protecting the health of the occupants against the leakage of sewer gas when joints are properly caulked.

This illustration only shows a few of the fittings made under the F. & W. patents. There are a number of other fittings suitable for the different conditions, all giving proper ventilation and drainage to the plumbing fixtures.









A-1563 Hair Felt



A-1565 Air Cell



A-1566 Asbestos Moulded Covering



A-1567

A-1560 Asbestos Cement, in 100-lb. bags. Per bag..... A-1560 85% Magnesia, in 60-lb. bags. Per bag .....

#### A-1563 HAIR FELT

In rolls of 300 square feet, width 6 ft.

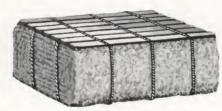
3/8 11/4 Price, full rolls, per sq. ft.....\$0.08 \$0.09 \$0.10 \$0.12 \$0.14 \$0.17 \$0.20 \$0.26 Price, cut rolls, per sq. ft...... .09 .10 .11 .13.16.19 

Zero Covering is 11/4 inches thick.

A-1567 Mineral Wool, in sacks of about 60 lbs. Per pound.



A-1568 Hemp and Jute



A-1569 Oakum



A-1570 Waste

Packing	
Italian Hemp, A. Per pound	. \$0.20
American Extra Refined Hemp. Per pound	15
Jute. Per pound	08
Tarred Jute. Per pound	
Spun Oakum, in 25, 50 and 100-lb. bales. Per lb.	
Rope Oakum, in 25, 50 and 100-lb. bales. Per lb	
No. 1 White Cotton Waste. Per lb	
No. 2 White Cotton Waste. Per lb	
No. 3 White Cotton Waste. Per lb	
No. 1 Colored Cotton Waste. Per lb	
No. 2 Colored Cotton Waste. Per lb	
No. 3 Colored Cotton Waste. Per 1b	





A-1572 Lard Oil



A-1575 Red Sheet Packing



A-1576 Smooth-On Cement

#### **ACCESSORIES**

A-1572 A-1575	Lard Oil, for sale in any quantity, per gallon
A-1576	Smooth-On Casting Cement, Grade "A," per pound\$0.50
	Smooth-On Elastic Cement, Grades Nos. 1 and 2, per pound
	Smooth-On Joint Cement for Cast Iron Pipe, per pound



O. K. Pipe Joint



A-1578 Asbestos Furnace



A-1579 "Desolvo"



A-1580 "Superior"

\$3.00

Compound Cement Pipe Cleaner cans. table or other organic matter, removing them without injury to the plumbing. Full directions for use printed on each can. Prices as follows: Single cans, each \$ 0.75
Dozen can lots, per dozen 9.00
Half gross lots 43.00 Gross lots ..... A-1580 Superior Cleanser, for cleaning porcelain enameled iron bath tubs, lavatories, sinks, etc. This is the most effective cleaner on the market, guaranteed not to injure the ware. Put up in two size cans with handy sifter tops. Per can doz. can case 





A-1581 Bronze



A-1582 Bronzing Liquid



A-1583 Black Asphaltum

# **BRONZING AND DECORATING MATERIALS**

The use of our Superior Quality Bronzing and Decorating Materials adds greatly to the appearance of a well installed heating plant.

A-1	581 Bronze.	Per Lb.	Per Half Lb.
Pale Go	old Radiator Bronze	\$1.00	\$0.60
	ld Brilliant Bronze		.60
	um Radiator Bronze		.90
A-1582	Radiator Bronzing Liquid, per gallon Radiator Bronzing Liquid, per half gallon		\$1.50 85
A-1583	Black Asphaltum for Painting Boilers and Ri		
	In gallon cans		1.80
	In half-gallon cans		1.00



A-1584



A-1585



A-1586 Candles



A-1587

A-1584	Candle Wicking, per pound\$	0.30
A-1585	Asbestos Wicking, per pound	50
A-1586	Plumbers' Candles, per forty-pound case	6.00
A-1586	Plumbers' Candles, per pound	20
A-1587	Plumbers' Commercial Putty, in 25-pound pails, per pound.	.20





#### STEAM, GAS AND WATER PIPE

#### STANDARD WROUGHT PIPE

Black and Galvanized All Weights and Dimensions Are Nominal

# X STRONG AND XX STRONG PIPE

All Weights and Dimensions Are Nominal

				~								_	
	List	List	DIAMETERS			PER FOOT Size		List	DIAMETERS		Thick-	Weight per Foot	
Size	Price per Foot	Ext'n'l.	Intern'l	Thick- ness	Plain Ends	Threads		ıze	Price Per Foot	External	Internal	ness	Plain Ends
						Coupl'gs		1/8 1/4 3/8 1/2 3/4	\$0.12 .07½	.405	.215	.095	.314
1/8	\$0.051/2			.068	.244	.245		3/8	.07 1/2	.675	.302	.119	. 738
1/8 1/4 3/8 1/2	.06	. 540		.088	,424	.425		1/2	.11	.840	.546	.147	1.087
3/8	.06	. 675		.091	. 567	.568		3/4	.15	1.050	.742	. 154	1.473
1/2	$.08\frac{1}{2}$	. 840	. 622	.109	.850	.852		11/	.22	1.315	.957	.179	2.171
3/4	.111/2	1.050	,824	.113	1.130	1.134		11/4	.30	1.660 1.900	1.278 1.500	.191	2.996 3.631
1	.17	1.315		.133	1.678	1.684		2 2	.501/2	2.375	1.939	.218	5.022
11/4	.23	1.660	1.380	.140	2.272	1.684 2.281	50	21/2	.77	2.875	2.323	. 276	7.661
$1\frac{1}{2}$	$.27\frac{1}{2}$	1.900	1.610	.145	2.717	2.731	Strong	$\frac{21/_{2}}{3}$	1.03	3.500	2.900	. 300	$7.661 \\ 10.252$
0	0.00	0.077	0.00		0 0 0 0		St	31/2	1.25	4.000	3.364	.318	12.505
2	.37	$2.375 \\ 2.875$		.154	3.652	3.678	×	4	1.50	4.500	3.826	. 337	14.983
$\frac{2\frac{1}{2}}{3}$	.761/2	3.500		.203	5.793 7.575	5.819 7.616		$\frac{4\frac{1}{2}}{5}$	$\frac{1.80}{2.08}$	5.000	4.290	. 355	17.611
$\frac{3}{3}\frac{1}{2}$	.92	4.000		.226	9.109	9.202		6	$\frac{2.08}{2.86}$	5.563 6.625	$\frac{4.813}{5.761}$	. 375	20.778 $28.573$
0/2	.02	1.000	0.010	.220	0.100	3.202		7	3.81	7.625	6.625	. 500	38.048
4	1.09	4.500			10.790	10.889		8	4.34	8.625	7.625	.500	43.388
$4\frac{1}{2}$	1.27	5.000	4.506		12.538	12.642		9	4.90	9.625	8.625	. 500	48.728
5	1.48	5.563		.258		14.810		10	5.48	10.750	9.750	. 500	54.735
6	1.92	6.625	6.065	.280	18.974	19.185		11	6.10	11.750	10.750	. 500	60.075
7	2.38	7.625	7.023	.301	23.544	23.769		12	6.55	12.750	11.750	. 500	65.415
7 8	2.50	8.625	8.071	.277	24.696	25.000		1/2 3/4	\$0.32	.840	.252	. 294	1.714
8	2.88	8.625	7.981	.322	28.554	28,809		1 %	.35 .37	$\frac{1.050}{1.315}$	.434	.308	$\frac{2.440}{3.659}$
9	3.45	9.625	8.941	.342	33.907	34.188		11/	.521/2	1.660	. 896	. 382	5.214
10	0.00	10 750	10 100	070	01 001	00 000	Strong	$\frac{1\frac{1}{4}}{1\frac{1}{2}}$	.65	1.900	1.100	.400	6.408
10 10	3.20 3.50		10.192 $10.136$		31.201	32.000	0	2	.91	2.375	1.503	.436	9.029
10	4.12		10.130		34.240 40.483	35.000 41.132	St	21/2	1.37	2.875	1.503 1.771	. 552	13.695
11	4.63		11.000			46.247		3	1.86	3.500	2.300	. 600	18.583
	1.00	11.100	11.000	.010	10.001	10,21	X	31/2	2.30	4.000	2.728	. 636	22.850
12	4.50		12.090			45.000		4 1/2	$\frac{2.76}{3.26}$	4.500 5.000	$\frac{3.152}{3.580}$	. 674 . 710	$27.541 \\ 32.530$
12	5.07	12.750	12.000	.375	49.562	50.706		5	3.86	5.563	4.063	.750	38.552
								6	5.32	6 625	4 897	864	53 160

Furnished with threads and couplings and in random lengths unless otherwise ordered. For cut lengths, an extra charge will be made above random lengths.

For pipe smoothed on the inside, known as reamed and drifted, an extra charge will be made above standard pipe.

For Galvanized, or Coated pipe, an extra charge will be made above Black. When ordering sizes 8-inch to 12-inch, please state weight of pipe wanted.

#### TRADE CUSTOMS

Quotations subject to change without notice. Sales subject to strikes, accidents or causes beyond our control.

Every piece of Pipe, Tubing, Casing, Boiler Tube, Line Pipe, etc., is carefully tested, but as it is impossible to always detect imperfections, the only guarantee that is given is to replace such goods as prove defective. Under no circumstances are we responsible for any damages beyond the price of the goods. No charges for labor or expense required to repair defective goods or occasioned by them will be allowed. If the goods are defective, the measure of damages is the price of the defective pieces.

Claims for shortage or deductions for erroneous charges must be promptly presented or will not be allowed.

Special goods made to specification, where buyer is to inspect, must be inspected and accepted before shipment is made. After shipment is made, our responsibility ceases.

Requests for cancellation of orders calling for odd sizes or cut lengths, will not be considered if the manufacture of the material has been commenced when the request reaches the mill.





A-1600 R. or R. & L.



A-1603 Reducing



A-1605 45°

# **CAST IRON ELBOWS**

SizeInches	1/4	3/8	1/2	3/4	1	11/4	$1\frac{1}{2}$	2	2½	3	3½
A-1600 R. H Each				\$0.08	$\$0.10\frac{1}{2}$	\$0.16	\$0.20				
A-1600 R. & L Each		.06	.07	.09		.18	.23	.32			
A-1600 Ptd Each				.10	.13	.20	.25	.35			
A-1600 R. H. Galv. Each				.16	.21	.32	.40	.56			
A-1603 Red Each		.06	.07	.09	.12	.18	.23	.32			
A-1603 Red. PtdEach				.10		.20	.25	.35			
A-1603 Red. GalvEach				.18	.24	.36		.64			
A-1605 45°Each				.10		.19	.24	.34			
A-1605 45° Galv Each		.12	.14	.20	.24	.38	.48	.68	1.20	1.80	2.50
									1		
Size		Inches	4	$4\frac{1}{2}$	5	6	7	8	9	10	12
A-1600 R. H		Each	\$1.20	\$1.75	\$2.00	\$2.75	\$ 4.70	\$ 6.75	\$ 9.00	\$13.50	\$20.00
A-1600 Ptd		Each	1.50								
A-1600 R. H. Galv		Each	2.40	3.50	4.00	5.50	9.40	13.50	18.00	27.00	40.00
A-1603 Red		Each	1.40	2.00	2.30	3.15	5.40	7.75	10.50	15.50	23.00
A-1603 Red. Galv		Each	2.80	4.00							46.00
A-1605 45°		Each	1.45	2.20	2.50	3.45				17.00	25.00
A-1605 45° Galv		Each	2.90	4.40	5.00	6.90	11.80	17.00	22.50	34.00	50.00



A-1608 Straight



A-1610 Reducing

#### CAST IRON TEES

		CAS	I IKU	NIE	ES					
SizeInches	1/4 3/8	1/2	3/4	1	11/4	1½	2	21/2	3	31/2
A-1608 Straight Each A-1608 Str. Galv Each A-1610 Reducing Each A-1610 Red. Galv Each	.16 .10	.18	.24 .14	.30	\$0.23 .46 .27 .54		.82 .47	1.46 .83	$\frac{2.20}{1.25}$	3.00 1.75
Size	Inche	s 4	4½	5	_6	7	8	9	- 10	12
A-1608 Straight Galv A-1610 Reducing A-1610 Reduc. Galv	Eacl	$\begin{array}{c c} 1 & 3.50 \\ 1 & 2.00 \end{array}$	$5.10 \\ 2.95$	6.00 3.50	8.00 4.60	13.60 7.80	19.50 11.25		39.00 22.50	58.00 33.50







A-1616 Close Pattern Return Bend



A-1619 Open Pattern Return Bend

#### **CAST IRON FITTINGS**

SizeInches	1/2	3/4	1	11/4	1½	2	$2\frac{1}{2}$	3	31/2	4
A-1613 StraightEach		\$0.22				\$0.75	\$1.30			
A-1613 Straight GalvEach	.32	.44	.54			1.50	2.60			
A-1613 ReducingEach		.25	.30	.46		.83	1.45			
A-1613 Reducing GalvEach	.36	.50	.60	.92		1.66	2.90			
A-1616 R. H Each	.18	.20	.22	.28		.57	1.20			
A-1616 R. & L Each	.21	.23	.26			.66	1.40			
A-1616 L. H Each	.21	.23	.26			.66	1.40			
A-1616 R. H. Galv Each	36	.40	.44			1.14	2.40			. 10.00
A-1619 R. H Each		.26	.30	.40	.55	.80	1.35	2.20		6.50
A-1619 R. & L Each		.30	.35	.46	.64	.92	1.55	2.50		
A-1619 R. H. Galv Each		.52	.60	.80	1.10	1.60	2.70	4.40		. 10.00
A-1616 C. to C., inches	11/4	$1\frac{1}{2}$	$1\frac{3}{4}$	$2\frac{1}{4}$	$2\frac{1}{2}$	31/4	33/4	41/4		
A-1619 C. to C., inches		$1\frac{7}{8}$	$2\frac{3}{8}$	3	31/2	$4\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$		-1/
				1	1					1
SizeInche	$4\frac{1}{2}$		5	6	7	8	9		10	12
A-1613 StraightEac		0 \$ 5	.50 \$	7.25	\$12.25	\$17.50	\$23.	.50 \$3	5.00	\$ 52.50
A-1613 Straight Galv Eac	h 9.20	0   11	.00	14.50	24.50	35.00	) 47.	.00 7	00.00	105.00
A-1613 Reducing Eac	h 5.10	0 6	.00	8.00	13.50	19.28		.00	88.50	58.00
A-1613 Reducing GalvEac	h 10.2	) 12	.00	16.00	27.00	38.50	) 52.	.00   7	7.00	116.00

Close Pattern Return Bends will not make up parallel coils, as the distance, center to center, of two adjacent bends is greater than the center to center of openings of a single bend.

#### RETURN BENDS, CLOSE PATTERN, PITCHED

Cast Iron

Suitable for Coils as Per Table Below

Size Inches	1	1	1	1	1	11/4	11/4	11/4
Length of Pipe in coil, feet. Each Price, Right HandEach Price, Right and LeftEach	\$0.26	\$0.26 .26	5 \$0.26 .26	\$0.26 .26	8 \$0.26 .26	\$0.33 .33	5 \$0.33 .33	6 \$0.33 .33

All Right and Left Pitched Return Bends are made to order. One-inch Return Bends for coils longer than 8 feet are tapped straight. Pitched Return Bends have length of coils marked on them.



A-1623 Reducers



A-1625 Eccentric Reducer



A-1627 Flange Union



A-1630 Floor Flange

### **CAST IRON FITTINGS**

Size	Inches	41/2		5	6	7	8	5	9	10	12
A-1623	Each	\$1.88 3.70		2.00	\$2.70 5.40	\$ 5.35 10.70	\$ 6.75 13.50			10.00	\$15.00 30.00
SizeInches	11/4	11/2	2	21/2	3	31/2	4	41/2	5	6	8
A-1625Each	\$0.55	\$0.72	\$1.00	\$1.50	\$2.40	\$3.00	\$4.00	\$5.00	\$6.00	\$8.00	\$11.00
SizeInches	1/2	3/4	1	11/4	1½	2	2½	3	3½	4	41/2
Diam, of Flanges. Inches Number of Bolts	3 \$0.40 .80	3 5/6 3 \$0.46 .92	35/8 3 \$0.52 1.04	4½ *4 \$0.64 1.28		5½ 4 \$1.00 2.00	6 4 \$1.25 2.50	63/4 4 \$1.50 3.00	67/8 4 \$1.80 3.60	8 5 \$2.10 4.20	83/4 5 \$2.70 5.40
Size	Inches	5	6	7	8	9	10	12	14	15	16
Diameter of Flanges	Each	9 1/6 5 \$3.15 6.30	10 % 6 \$3.95 7.90	12 7 \$5.50 11.00		14¼ 9 \$10.00 20.00	16 10 \$11.50 23.00	18¼ 12 \$16.00 32.00	205/8 14 \$28.00 56.00	205/8 14 \$35.00 70.00	23 16 \$60.00
Size		Inch	ies 3	8x3	½x3½	3/4 x3 1/2	1x4	11/4	(x4 1)	2x4½	2x5½
A-1630		Ea	ch \$0	0.10	\$0.15 .30	\$0.15 .30	\$0.16		.16 .32	80.22	\$0.35 .70











A-1632	
Plug	

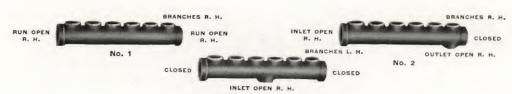
A-1635 Countersunk Plug

A-1638 Bushing

A-1640 Faced Bushing

A-1643 Eccentric Bushing

Flug							Dus.	ning			Bus	ning	
SizeInches	1/8	1/4	3/8	1/2	3/4	1	11/4	1½	2	21/2	3	3½	4
A-1635. Each A-1632 Tapped for Air Cock Each A-1632 L. H. Each A-1632 Solid Each A-1638 Calvanized Each A-1640 Galvanized Each A-1640 Galvanized Each	\$0.02	.04	.04	.04 .04 .04 .04 .08 .09	.06 .06 .12 .06 .06 .05 .10	.08 .08 .15 .08	\$0.05 .10 .09 .20 .09 .07 .14 .17 .25	. 14 . 11 . 25 . 11 . 11 . 09 . 18 . 22 . 33	\$0.10 .20 .15 .30 .15 .15 .14 .28 .32 .48 .27	.36 .30 	.50 .40 	.76 .92  .57 .40 .80 1.20 1.80	.84 1.10 
SizeInche	s 4 ½	2	5		6	7		8		9	10		12
A-1632         Eacl           A-1632 Galvanized         Eacl           A-1635         Eacl           A-1636         Eacl           A-1638         Eacl           A-1638 Galvanized         Eacl           A-1643         Eacl           A-1643         Eacl	1.3 1.0 1.7 1.5 1.5 2.1	00 75 60	\$0.88 1.75 2.00 1.35 .93 1.85 2.60 1.85		1.20 2.40 3.50 1.80 1.25 2.50 3.75 2.50	\$1.8 3.7 1.8 3.7 3.7	0     	\$2.75 5.50 2.75 5.50 5.50	3 6	.25 .50 .25 .50	\$3.75 7.50 3.75 7.50	1	5.00 0.00 5.00 0.00



#### **BRANCH TEES** A-1646

All openings in Branch Tees for Circulation are tapped right hand.

Branch Tees for Box Coils are always tapped left hand in branches and right hand in

back inlet.

The run and back opening of Branch Tees are tapped the same size as branches, unless otherwise ordered.

	1 Inch	Branch	Tees	11/4 Inc	h Bran	ch Tees	1½ In	ch Branch	Tees	2 Inch	Branch 7	Tees
No. of Branches	2½ In	ches Cer Center		3 Inc	hes Cen Center	ter to	3½	Inches Cer Center	ater to	41/2	Inches Cer Center	iter to
Diamenes	1 in. or 1¼ in. Run	1½ in. Run	2 in. Run	1¼ in. or 1½ in. Run	2 in. Run	2½ in. Run	1½ in. or 2 in. Run	2½ in. Run	3 in. Run	2 in. Run	2½ in. or 3 in. Run	3⅓ in. Run
2	\$0.90	\$1.00	\$1.15	-								
3	1.05	1.15	1.35	\$1.65	\$1.90	\$2.40	\$2.70	\$ 3.45	\$ 3.80	\$ 5.25	\$ 5.75	\$ 6.25
4	1.15	1.30	1.60	2.00	2.40	2.85	3.35	4.15	4.60	6.40	7.00	7.75
5	1.35	1.45	1.85	2.40	2.90	3.55	4.00	5.00	5.50	7.65	8.50	9.25
$\frac{6}{7}$	1.60	1.75	2.10	2.80	3.30	3.95	4.65	5.75	6.25	8.80	9.75	10.75
	1.90	2.20	2.45	3.20	3.90	4.20	5.25	6.50	7.25	10.60	11.75	13.00
8	2.20	2.45	2.75	3.60	4.50	4.95	5.85	7.00	7.75	11.50	12.75	14.00
9	2.65	2.90	3.40	4.30	5.25	6.15	6.50	8.25	9.00	12.25	13.50	15.00
10		3.30	4.00	4.80	5.85	6.85	7.60	9.25	10.00	13.50	15.00	16.50
11		4.50	4.80	5.00	6.25	7.25		9.75	10.75			
12		4.75	5.10	5.25	6.50	7.65		10.50	11.50			
13		5.50	6.00	6.00	7.00	8.25						
14		7.00	7.25	6.75	7.75	9.00				,		
15		7.50	7.75	7.50	8.50	9.75						
16		8.00	8.25	8.50	9.50	10.75						

1-inch Branch Tees, 1-inch or 1½-inch run, are 1¾ inches inside diameter.
1-inch Branch Tees, 1½-inch or 2-inch run, are 2¼ inches inside diameter.
1¼-inch Branch Tees are all 2½ inches inside diameter.
1½-inch Branch Tees are all 2¾ inches inside diameter.

2-inch Branch Tees are all 3½ inches inside diameter. Always order Branch Tees by size and number.







	A-1650			A	-1654		
A-1650	Number of Hooks	1	2	3	4	5	6
For 1½-inch pipe, 3 inches For 1½-inch pipe, 3½ inch	s between centers. Each s between centers. Each hes between centers. Each s between centers. Each	.10	\$0.18 .21 .28 .43	\$0.23 .27 .43 .65	\$0.26 .32 .58 .90	\$0.32 .41 .72 1.15	\$0.38 .52 .88 1.35
A-1654	Number of Hooks	1	2	3	4	5	6
For 1½-inch pipe, 3 inche For 1½-inch pipe, 3½ inch	s between centers. Each s between centers. Each hes between centers. Each s between centers. Each	$\begin{vmatrix} .17 \\ 1 & .25 \end{vmatrix}$	.27	\$0.35 .40 .60 .85	\$0.50 .60 .75 1.00	\$0.60 .70 .90 1.35	\$0.70 .80 1.00 1.55

When Hook Plates are ordered, specifying a greater number of hooks than listed above, we will send two; for instance, an order calling for two 2x8 hook plates, we will send four 2x4.







A-1657 Elbow



A-1660 Double Branch Elbow



A-1663 Tee

### LONG SWEEP FITTINGS

SizeInches	1	11/4	1½	2	2½	3	3½	4	4½
A-1657 Each A-1657. Red. Each A-1660 Each A-1660. Red. Each A-1663. Each	\$0.32 .48 .64 .96 .48	\$0.40 .60 .80 1.20	\$0.55 .83 1.10 1.65	\$0.80 1.20 1.60 2.40 1.20	\$1.20 1.80 2.40 3.60 1.80	\$2.25 3.38 4.50 6.75 3.40	\$3.25 4.88 6.50 9.75 4.90	\$ 3.50 5.25 7.00 10.50 5.25	\$ 5.50 8.25 11.00 16.50 8.25
A-1663Red. Each	.72	.90	1.23	1.80	2.70	5.10	7.35	7.88	12.38
A-1657 A-1657 A-1660 A-1660 A-1663 A-1663	Red	.Each .Each .Each .Each	\$ 6.50 9.75 13.00 19.50 9.75 14.63	\$ 8.75 13.13 17.50 26.25 13.25 19.88	\$13.00 19.50 26.00 39.00 19.50 29.25	\$17.00 25.50 34.00 51.00 25.50 38.25	\$25.50 38.25 51.00 76.50 38.00 57.00	\$30.00 45.00 60.00 90.00 45.00 67.50	\$ 40.00 60.00 80.00 120.00 60.00 90.00



A-1666

Cross



A-1669 Tee Straight Back

### LONG SWEEP FITTINGS

Size Inches	1	11/4	1½	2	2½	3	3½	4	41/2
$\begin{array}{cccc} A\text{-}1666. & & Each \\ A\text{-}1666. & .Red. Each \\ A\text{-}1669. & & Each \\ A\text{-}1669. & .Red. Each \\ \end{array}$	\$0.85 .64 .96	\$1.10 1.65 .80 1.20	\$1.50 2.25 1.10 1.65	\$2.15 3.23 1.60 2.40	\$3.20 4.80 2.40 3.60	\$6.00 9.00 4.50 6.75	\$ 8.75 13.13 6.50 9.75	\$ 9.50 14.25 7.00 10.50	\$11.00 16.50
Size		Inches	5	6	7	8	9	10	12
A-1666. A-1666. A-1669. A-1669.	Red	. Each . Each	\$17.50 26.25 13.00 19.50	\$24.00 36.00 17.50 26.25	\$35.00 52.50 26.00 39.00	\$45.00 67.50 34.00 51.00	\$ 68.00 102.00 51.00 76.50		160.50





A-1672 90° Ell



A-1675 45° Ell



A-1677 60° Ell



A-1679 22½° Ell



A-1681 11½° Ell



A-1683 55/8° Ell

# DRAINAGE FITTINGS

Sizeinches	$1\frac{1}{2}x1\frac{1}{4}$	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6
A-1672 Each	\$0.57	\$0.30	\$0.38	\$0.57	\$1.20	\$1.45	\$2.30	\$4.25	\$ 6.25
A-1672 Galv. Each	1.00	.52	.67	1.00	2.10	2.55	4.00	7.40	11.00
A-1675Each	1.00	.30	.38	.57	1.20	1.45	2.30	4.25	6.28
A-1675 Galv. Each		.52	.67	1.00	2.10	2.55	4.00	7.40	11.00
A-1677Each		.30	.38	.57	1.20	1.45	2.30	4.25	6.2
A-1677Galv. Each		.52	.67	1.00	2.10	2.55	4.00	7.40	11.0
A-1679Each	1	.30	.38	.57	1.20	1.45	2.30	4.25	6.2
A-1679Galv. Each		.52	.67	1.00	2.10	2.55	4.00	7.40	11.0
A-1681Each	1	.30	.38	.57	1.20	1.45	2.30	4.25	6.2
A-1681Galv. Each	1	.52	.67	1.00	2.10	2.55	4.00	7.40	11.0
A-1683Each	1	.30	.38	.57		1.45	2.30	4.25	6.2
A-1683 Galv. Each		.52	.67	1.00		2.55	4.00	7.40	11.0
Size				Inches	7	8	10	12	14
A-1672				Each	\$11.50	\$15.00	\$31.00	\$47.50	\$ 65.
A-1672 A-1672			Ga	Each	\$11.50 20.00	\$15.00 26.25	\$31.00 54.00	\$47.50 83.00	\$ 65. 114.
A-1672A-1672A-1675			Ga	Each alv. Each Each	\$11.50 20.00 11.50	\$15.00 26.25 15.00	\$31.00 54.00 31.00	\$47.50 83.00 47.50	\$ 65. 114. 65.
A-1672			Ge	Each alv. Each Each alv. Each	\$11.50 20.00 11.50 20.00	\$15.00 26.25 15.00 26.25	\$31.00 54.00 31.00 54.00	\$47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672A-1672A-1675A-1675A-1677			Ge	Each alv. Each Each alv. Each Each	\$11.50 20.00 11.50 20.00 11.50	\$15.00 26.25 15.00 26.25 15.00	\$31.00 54.00 31.00 54.00 31.00	\$47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672			Ga	Each alv. Each Each alv. Each Each	\$11.50 20.00 11.50 20.00 11.50 20.00	\$15.00 26.25 15.00 26.25 15.00 26.25	\$31.00 54.00 31.00 54.00 31.00 54.00	\$47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672. A-1672. A-1675. A-1675. A-1677. A-1677.			Ge	Each alv. Each Each alv. Each Each alv. Each	\$11.50 20.00 11.50 20.00 11.50 20.00 11.50	\$15.00 26.25 15.00 26.25 15.00 26.25 15.00	\$31.00 54.00 31.00 54.00 31.00 54.00 31.00	\$47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672. A-1672. A-1675. A-1675. A-1677. A-1677. A-1679. A-1679.			Ga Ga Ga	Each Lack Lack Lack Lack Lack Lack Lack Lack	\$11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00	\$15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25	\$31,00 54,00 31,00 54,00 31,00 54,00 31,00 54,00	\$47.50 83.00 47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672. A-1672. A-1675. A-1675. A-1677. A-1677. A-1679. A-1679. A-1681.			Ge Ge Ge	Each Leach	\$11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00 11.50	\$15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25 15.00	\$31.00 54.00 31.00 54.00 31.00 54.00 31.00 54.00 31.00	\$47.50 83.00 47.50 83.00 47.50 83.00	\$ 65. 114. 65. 114.
A-1672. A-1672. A-1675. A-1675. A-1677. A-1677. A-1679. A-1681. A-1681.			Ge Ge Ge	Each Lack Each Lack Each Lack Each Lack Each Lack Each Lack Each	\$11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00	\$15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25	\$31.00 54.00 31.00 54.00 31.00 54.00 31.00 54.00 31.00 54.00	\$47.50 83.00 47.50 83.00 	\$ 65. 114. 65. 114.
Size			Ge Ge Ge	Each Lack Each Lack Each Each Each Each Each Each Lack Each Lack Each	\$11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00 11.50 20.00 11.50	\$15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25 15.00 26.25 15.00	\$31.00 54.00 31.00 54.00 31.00 54.00 31.00 54.00 31.00 54.00	\$47.50 83.00 47.50 83.00 47.50 83.00	\$ 65 114 65 114



A-1685 90° Long Turn Ell



45° A-1687 Long Turn Ell



A-1690 90° Long Turn Ell with Cleanout



A-1692 90° Ell with Side Outlet

SizeInches	$1\frac{1}{4}$	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	4	5	6	7
A-1685Each		\$0.42	\$0.65	\$1.40	\$1.75	\$2.75	\$5.25	\$ 7.50	\$13.50
A-1685 Galv. Each	.60	.72	1.15	2.45	3.10	4.80	9.20	13.15	23.50
A-1687Each		.42	.65	1.40	1.75	2.75	5.25	7.50	13.50
A-1687Galv. Each		.72	1.15	2.45	3.10	4.80	9.20	13.15	23.50
A-1690Each						5.00			
A-1690 Galv. Each						8.75			
A-1692Each						3.85			
A-1692Galv. Each						6.75			





A-1695 90° Ell with Heel Outlet



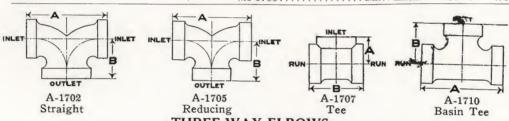
A-1698 90° Street Ell



A-1700 45° Street Ell

#### DRAINAGE FITTINGS

SizeInches	4	Size	Inches	11/4	$1\frac{1}{2}$
A-1695 Each	\$3.85	A-1698	Each	\$0.35	\$0.40
A-1695 Galv. Each	6.75	A-1698	Galv. Each	.60	.70
		A-1700	Each	.35	.40
		A-1700	Galv. Each	.60	.70

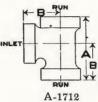


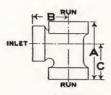
#### THREE-WAY ELBOWS

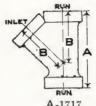
SizeInches	11/4	1½	2	21/2	3	4	4x3
Black Each Galvanized Each		\$0.85 1.50	\$1.10 1.95	\$2.25 3.90	\$3.00 5.25	\$5.00 8.75	\$5.50 9.65
Size		Inches	5	5x4	6	6x4	6x5
BlackGalvanized				\$ 8.25 14.50	\$13.50 23.50	\$15.00 26.25	\$15.00 26.25

### DRAINAGE FITTINGS

	1 1		1 1						
Size Inches	11/4	$1\frac{1}{2}$	$1\frac{1}{2}x1\frac{1}{4}$	2	$2x1\frac{1}{4}$	$2x1\frac{1}{2}$	$2\frac{1}{2}$	$2\frac{1}{2}x2$	3
A-1707 Each A-1707 Galv. Each		\$0.55 1.00		\$0.80 1.40	\$0.90 1.60	\$0.90 1.60	$$1.50 \\ 2.50$	$$1.65 \\ 2.75$	\$2.00 3.50
A-1710Each A-1710Galv. Each	\$0.60	$\frac{.70}{1.22}$	\$0.77 1.35	1.10 1.95	$\frac{1.20}{2.10}$	$\frac{1.20}{2.10}$	$\frac{1.75}{3.00}$		
SizeInches	3x1½	3x2	4	4x2	4x3	5	5x2	5x3	5x4
A-1707Each A-1707Galv. Each	\$2.20 3.85	\$2.20 3.85	\$3.25 5.70	\$3.60 6.30	\$3.60 6.30	\$ 6.00 10.50	\$ 6.60 11.55	\$ 6.60 11.55	\$ 6.60 11.55
Size		.Inches	6	7	8	10	12	12x8	12x10
A-1707				\$16.00 28.00				\$ 65.00 110.00	
Size						Inches	14x8	14x10	14x12
A-1707									









A-1712 Straight

A-1715 Reducing

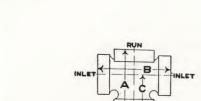
A-1717 Straight

A-1720 Reducing

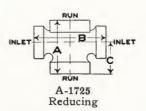
# 90° Y BRANCHES Tee Pattern

45°	Y	BRA	AN	CH	ES
-----	---	-----	----	----	----

1 ee 1	Pattern										
Size	Iı	nches	1	11/4	1½	2	21/2	3	4	5	6
A-1712		Each Each	\$0.40 .70	\$0.45 .80			\$1.80 3.15	\$2.20 3.85	\$3.5 6.1		
Size							In	ches	7	8	10
A-1712 A-1712							I .Galv. I	Each	\$17.5 30.5	50 \$23.00 50 40.00	
Size Inches	11/4x1	$1\frac{1}{2}x1$	1½x	11/4 2	2x1½	$2x1\frac{1}{2}$	2½x1½	(2½x	1½	2½x2	3x11/4
A-1715Each A-1715Galv. Each	\$0.50 .90	\$0.63 1.10		.63	\$0.95 1.65	\$0.95 1.65	\$2.00 3.50	\$2.0 3.		\$2.00 3.50	\$2.40 4.20
SizeInches	$3x1\frac{1}{2}$	3x2	3x	4 4	1x11/4	4x1½	4x2	4x2	1/2	4x3	$5x1\frac{1}{2}$
A-1715Each A-1715Galv. Each	\$2.40 4.20	\$2.40 4.20		85 75	\$3.85 6.75	\$3.85 6.75	\$3.85 6.75	\$3.8 6.3		\$3.85 6.75	\$7.15 12.50
Size	. Inches	5x2	5x2	1/2	5x3	5x4	$6x1\frac{1}{2}$	6x2	2	6x3	6x4
A-1715	Each	\$ 7.15 12.50			$7.15 \\ 12.50$	\$ 7.15 12.50	\$10.50 18.50	\$10. 18.		\$10.50 18.50	\$10.50 18.50
Size			Inc	hes	6x5	8x2	8x3	8x	4	8x5	8x6
A-1715 A-1715					\$10.50 18.50	\$25.50 44.50	\$25.50 44.50	\$25. 44.		\$25.50 44.50	$$25.50 \\ 44.50$
Size Inches	11/4	$1\frac{1}{2}$	2		$2\frac{1}{2}$	3	4	5		6	7
A-1717Each A-1717Galv. Each	\$0.52 .90	\$0.65 1.15		.95 .65	\$2.10 3.70	\$2.65 4.65	\$3.85 6.75	\$ 7. 12.		\$10.50 18.50	\$19.00 33.25
Size						Inches	8	10	)	12	14
A-1717 A-1717							\$25.00 44.00	\$52. 91.		\$75.00 130.00	\$95.00 165.00
Size Inches	1½x1¼	2x11/4	2x1	$\frac{1}{2}$ 2	$\frac{1}{2}$ x $1\frac{1}{4}$	$2\frac{1}{2}x1\frac{1}{2}$	$2\frac{1}{2}x^2$	3x1	1/4	3x1½	3x2
$\begin{array}{cccccc} A-1720Each \\ A-1720Galv. Each \end{array}$	$$0.72 \\ 1.25$	\$1.05 1.85		.05 .85	\$2.30 4.00	\$2.30 4.00	\$2.30 4.00	\$2. 5.	90 10	\$2.90 5.10	\$2.90 5.10
SizeInches	3x2½	4x1½	4x1	1/2	4x2	4x2½	4x3	5x	2	5x3_	5x4
$\begin{array}{llllllllllllllllllllllllllllllllllll$	\$2.90 5.10	\$4.25 7.40		.25	\$4.25 7.40	\$4.25 7.40	\$4.25 7.40	\$ 7. 13.		\$ 7.80 13.65	\$ 7.80 13.65
Size	. Inches	6x2	6x2	21/2	6x3	6x4	6x5	7x	3	7x4	7x5
A-1720		\$11.50 20.00		.50   \$	$\frac{$11.50}{20.00}$	\$11.50 20.00	\$11.50 20.00	\$21. 37.		\$21.00 37.00	\$21.00. 37.00
Size		7x6	82	3	8x4	8x5	8x6	102	4	10x5	10x6
A-1720	Each v. Each	\$21.00 37.00		5.00	\$27.50 48.00	\$27.50 48.00	\$27.50 48.00			\$57.00 97.00	\$57.00 97.00
Size			In	ches	12x6	14x3	14x4	14:	x5	14x6	14x12
A-1720			dalv. E	Cach	\$80.00 140.00	\$105.00 175.00			5.00 5.00	$$105.00 \\ 175.00$	\$105.00 175.00

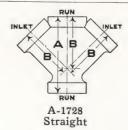


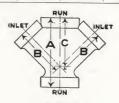
A-1723 Straight



## DRAINAGE DOUBLE 90° Y BRANCHES

SizeInches	1	11/4	1½	2	21/2	3	4	5
A-1723 Each	\$0.60	\$0.70	\$0.85	\$1.30	\$2.85	\$3.40	\$5.25	\$ 9.50
A-1723 Galv. Each	1.05	1.22	1.50	2.30	5.00	5.95	9.20	16.50
Size				Inches	6	7	8	10
						00 K 00		
A-1723 A-1723	· · · · · · · ·	· · · · · · · · · ·	Ga	lv. Each	\$14.00 24.50	$$25.00 \\ 42.50$	\$36.00 62.00	\$60.00 102.00
SizeInches	11/1	11/11/	0.11/	0.11/	01/ 11/	01/ 0	0.11/	
		$\frac{1\frac{1}{2}x1\frac{1}{4}}{2}$	$2x1\frac{1}{4}$	$2x1\frac{1}{2}$	$\frac{2\frac{1}{2}x1\frac{1}{2}}{2}$	$2\frac{1}{2}x2$	$3x1\frac{1}{2}$	_3x2
A-1725 Each	\$0.77	\$0.95	\$1.50	\$1.50	\$3.15	\$3.15	\$3.75	\$3.75
A-1725 Galv. Each	1.35	1.65	2.60	2.60	5.50	5.50	6.55	6.55
Size		Inches	4x2	5x4	6x2	6x4	6x5	8x6
A-1725		Each	\$ 5.75	\$10.50	\$15.50	\$15.50	\$15.50	\$40.00
A-1725	Ga	lv. Each	10.00	18.50	27.00	27.00	27.00	68.00

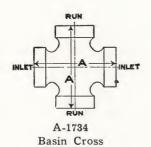


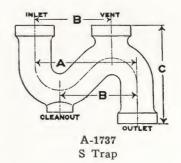


A-1731 Reducing

## DRAINAGE DOUBLE 45° Y BRANCHES

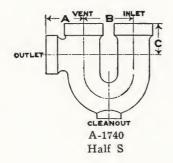
Size		Inches	11/4	1½	2	$2\frac{1}{2}$	3	4	5
A-1728 A-1728	Galv	Each v. Each	\$0.90 1.60	\$1.00 1.75	\$1.45 2.55	\$3.25 5.70	\$4.00 7.00	\$ 5.75 10.00	\$10.75 18.80
Size					.Inches	6	7	8	10
A-1728				Gal	v. Each	\$16.00 28.00	\$28.50 50.00	\$38.00 66.50	\$78.00 137.00
C: T_1	11/11/	0.11/	014 114	074474	0 111				
Size Inches	1 ½x1 ¼	$2x1\frac{1}{2}$	$\frac{2\frac{1}{2}x1\frac{1}{4}}{2}$	$2\frac{1}{2}x1\frac{1}{2}$	$3x1\frac{1}{2}$	3x2	4x2	4x3	5x2
A-1731Each A-1731Galv. Each		\$1.60 2.80	\$3.60 6.30	\$3.60 6.30	$$4.40 \\ 7.70$	\$4.40 7.70	\$ 6.35 11.00	\$ 6.35 11.00	\$11.75 20.50
Size	Inches	5x3	5x4	6x2	6x3	6x4	7x6	8x4	8x6
A-1731		\$11.75 20.50	\$11.75 20.50	\$17.50 30.50	\$17.50 30.50	\$17.50 30.50	\$31.50 54.00	\$42.00 72.00	\$42.00 72.00

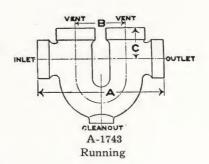




### DRAINAGE FITTINGS

Size, inches $1\frac{1}{2}$		2	$2x1\frac{1}{2}$	3	4	5	6
A-1734	Each\$1.50	\$1.75	\$1.95				
A-1734	Galv., each 2.50	3.10	3.40				
A-1737	Each	4.00		\$ 9.25	\$14.00	\$21.00	\$36.00
A-1737	Galv., each	7.00		16.00	24.00	37.00	63.00





### DRAINAGE TRAPS

		11/4	11/2	9	0					
			-/-	~	3	4	5	6	7	8
Each		\$1.55	\$1.70	\$2.20	\$5.00	\$10.00	\$21.50	\$32.50	\$40.00	\$ 55.00
Galv.,	each	2.70	3.00	3.85	8.75	17.50	37.50	57.00	70.00	95.00
Each		2.40	2.70	3.30	5.50	9.75	24.50	33.50	50.00	65.00
Galv.,	each	4.20	4.70	5.75	9.50	17.00	43.00	58.50	87.50	115.00
nes					. 1	0		12		14
Each					. \$11	5.00	\$1	80.00	\$	300.00
Galv.,	each				. 20	0.00	3	00.00		500.00
(	Galv., Each Galv., nes	Galv., each Each Galv., each nes	Galv., each       2.70         Each       2.40         Galv., each       4.20         nes          Each	Galv., each       2.70       3.00         Each       2.40       2.70         Galv., each       4.20       4.70         nes          Each	Galv., each       2.70       3.00       3.85         Each       2.40       2.70       3.30         Galv., each       4.20       4.70       5.75         nes	Galv., each       2.70       3.00       3.85       8.75         Each       2.40       2.70       3.30       5.50         Galv., each       4.20       4.70       5.75       9.50         nes       1         Each       \$11	Galv., each       2.70       3.00       3.85       8.75       17.50         Each       2.40       2.70       3.30       5.50       9.75         Galv., each       4.20       4.70       5.75       9.50       17.00         nes       10         Each       \$115.00	Galv., each       2.70       3.00       3.85       8.75       17.50       37.50         Each       2.40       2.70       3.30       5.50       9.75       24.50         Galv., each       4.20       4.70       5.75       9.50       17.00       43.00         nes       10         Each       \$115.00       \$1	Galv., each       2.70       3.00       3.85       8.75       17.50       37.50       57.00         Each       2.40       2.70       3.30       5.50       9.75       24.50       33.50         Galv., each       4.20       4.70       5.75       9.50       17.00       43.00       58.50         nes        10       12         Each       \$115.00       \$180.00	Each 2.40 2.70 3.30 5.50 9.75 24.50 33.50 50.00 Galv., each 4.20 4.70 5.75 9.50 17.00 43.00 58.50 87.50 nes







# BALL PATTERN RAILING FITTINGS

Size				1/2	3/4 \$7.00	\$8.00	11/4	$\frac{1\frac{1}{2}}{\$12.00}$	2
No. 6, Cross, Side Outlet Each No. 7, Floor Flange, Square Each No. 8, Ball Ornament Each	.35 .16 .16	.38 .18 .18	.40 .20 .20	.50 .40 .25	.65 .50 .35	1.35 .90 .90	$ \begin{array}{c} 2.00 \\ 1.35 \\ 1.35 \end{array} $	2.75 $2.50$ $2.00$	5.50 5.00 4
No. 1, Elbow       Each         No. 2, Elbow, Side Outlet       Each         No. 3, Tee       Each         No. 4, Tee, Side Outlet       Each         No. 5, Cross       Each	\$0.15 .20 .20 .30 .30	\$0.18 .23 .23 .33 .33	\$0.20 .25 .25 .35 .35	\$0.35 .40 .40 .45 .45	\$0.45 .50 .50 .55 .58	.80 .75 .90 1.00	\$1.60 1.75 1.75 1.90 1.80	\$2.25 2.50 2.50 2.60 2.60	\$4.50 5.00 5.00 5.25 5.25
A-1745, Pipe SizeInches	1/2	3/4	1	11/4	1½	2	$\frac{2\frac{1}{2}}{2}$	3	4



#### ADJUSTABLE BEAM CLAMP

A-1750 Adjustable Beam Clamp fits all "I" Beams up to 63/4 inches wide.

No.		Will c	arry pipe as below	List
1	From 1/2	to 1½	in., inclusive	\$0.25
2	From 2	to 3	in., inclusive	
3	From 31/2	to 6	in., inclusive	
4	From 7	to 8	in., inclusive	50



A-1751

Ceiling Radiator Hanger
The above cut shows the safest, quickest and cheapest hanger for ceiling radiation.
List, each ........\$0,20



A-1753 Band Iron Hanger With Bolt



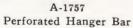
A-1755 Hinged Band Iron Hanger With Bolt



A-1756 Flat Head Lag Screw With Bolt

				** ****	DOIL			******	Dore	
Size, in	ches		3/4	1	11/4	11/2	2	21/2	3	31/2
A-1753	Each	\$0.08	\$0.08	\$0.09	\$0.10	\$0.12	\$0.14	\$0.16	\$0.18	\$0.20
A-1755	Each		.17	.19	.21	.23	.25	.27	.29	.33
Size, in	ches		. 4	$4\frac{1}{2}$	5	6	7	8	9	10
A-1753	Each		. \$0.25	\$0.30	\$0.35	\$0.45	\$0.55	\$0.65		
A-1755				.37	.39	.53	.68	.93	\$1.45	\$1.95
A-1756	No.	Size pipe, in	ches.							List
	1	From 1/2 to	11/4 in.,	inclusive						\$0.10
	2	From 1½ to	3 in.,	inclusive						.12
	3	From 3½ to	5 in.,	inclusive						.14
	4	From 6 to	8 in.,	inclusive						.20
	5	From 9 to	12 in.,	inclusive						.25







A-1758 Ceiling Coil Roller Hangers

Perforated Hanger Bar is carried regularly in stock in five-foot lengths, with perforations every half inch, and is made in the following widths:

Width, inches	7/8	1	11/8	11/4
Price, per foot\$0.08	\$0.08	\$0.09	\$0.10	\$0.20

A-1758, including two ceiling plates, two eye bolts, one cross bolt and roller.

		J	
1 In. Pipe	Complete	1¼ In. Pipe	Complete
4 Roll	\$1.00	4 Roll	\$1.35
6 Roll	1.25	6 Roll	1.65
8 Roll	1.50	8 Roll	1.95
10 Roll	1.75	10 Roll	2.25

We can furnish these in any size desired. In ordering other than standard size, submit sketch.













A-1759 Cast Hinged Plate

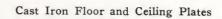
Rolled Steel Hinged Plate

A-1761 Rolled Steel Hinged Plate

A-1762 Rolled Steel Solid Plate

Size, inches			3/8	1/2	3/4	1	11/4	11/2	2	21/2	3	31/2	4
A-1759, A-1760	Blk.	Each\$	0.15	\$0.16	\$0.17	\$0.20	\$0.22	\$0.25	\$0.30	\$0.50	\$0.65	\$0.80	\$1.00
and <b>A-1761</b>	N. P.	Each	.26	.27	.28	.32	.35	.38	.45	.65	.80	1.00	1.25
A-1762	N. P.	Each		.10	.10	.10	.11	.11	.14				





Size, inches.. 1/2 11/4 11/2 2 21/2 A-1763 Each. \$0.11 \$0.13 \$0.16 \$0.18 \$0.23 \$0.27 \$0.36 .06 A-1764 Each. .06 .08 .11 .14









A-1765

# ADJUSTABLE FLOOR SLEEVES

A-1765 is adjustable to any depth between floor and ceiling. The No. 1 sleeve has an adjustment from 10 to 16 inches. The No. 2 sleeve has an adjustment from 14 to 24 inches. Any style floor plate shown above can be used with these sleeves.

A-1767 Telescoping Fireproof Floor Sleeve, made of galvanized sheet iron. The No. 1 size has an adjustment from 12 to 17 inches. The No. 2 size has an adjustment from 14 to

24 inches.

For size	e pipe,	inches	1/2	3/4	1	11/4	11/2	2	21/2	3 .
A-1765	No. 1	Each	\$0,25	\$0.25	\$0.32	\$0.48	\$0.55	\$0.62	\$0.75	\$1.00
A-1765	No. 2	Each	35	.35	.52	.55	.60	.80	1.00	1.20
A-1767	No. 1	Each		1.00	1.10	1.30				
		Each		1.05	1.20	1.35	1.50	1.80	2.10	2.50
For size	e pipe,	inches			31/2		4	5		6
A-1765	No. 1	Each			\$1.25	\$:	1.40	\$1.85		\$2.25
A-1765	No. 2	Each			1.40		1.60	2.10		2.50
A-1767	No. 2	Each			3.00	;	3.75	4.50		5.25





A-1777 Malleable Unions



A-1780 Railroad Unions

Size Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	$1\frac{1}{2}$	2	$2\frac{1}{2}$	3
A-1777 Each A-1777 Galv. Each A-1778 Each A-1778 Galv. Each		\$0.18 .27 .30 .45	\$0.20 .30 .40 .60	\$0.22 .33 .50 .75	\$0.27 .40 .60 .90	\$0.33 .50 .80 1.20	\$0.46 .70 1.20 1.80	\$0.58 .90 1.60 2.40	\$0.75 1.15 2.00 3.00	\$1.55 2.35 3.20 4.80	\$2.10 3.15 4.80 6.20
Size									Inches	3½	4
A-1777									.Each	\$3.65 5.50	\$4.35 6.50



A-1783 Male Union



A-1785 Female Union

#### **UNION ELBOWS**

Malleable Iron

SizeInches	1/4	3/8	1/2	3/4	1	11/4	1½	2	21/2
A-1783 Each A-1783 Galv . Each A-1785 Each A-1785	.65 .38	.70 .40	.72 .42	.93 .54	1.08	1.60	$1.80 \\ 1.05$	$2.70 \\ 1.55$	$\frac{4.95}{2.85}$



A-1788 New Style Ell



A-1790 New Style Coupling

#### **BOILER FITTINGS**

SizeInches	3/4x3/4x1	<sup>3</sup> / <sub>4</sub> x <sup>1</sup> / <sub>2</sub> x1	½x½x1
A-1788	\$0.75	\$0.75	\$0.60
	.75	.75	.60



A-1793 90° Straight and Reducing Ells



A-1795 45° Ells



A-1798 Street Ells



A-1800 45° Street Ells

### MALLEABLE IRON ELBOWS

SizeInches	1/8	1/4	3/8	1/2	3/4	1	11/4	1½	2
A-1793 R. H Each	\$0.06	\$0.07	\$0.08	\$0.10	\$0.15	\$0.22	\$0.25	\$0.35	\$0.50
A-1793 R. & L Each		.09	.11	.13	.17	.25	.30	.40	.65
A-1793 R. H Galv. Each	.08	.09	.11	.14	.20	.32	.40	.60	.90
A-1793 R. & L		.12	.16	.17	.23	.35	.45	.65	1.00
A-1795 Each		.08	.10	.12	.18	.26	.36	.54	.82
A-1795		.12	.15	.20	.25	.40	.50	.85	1.35
A-1798 Each	.08	.10	.10	.12	.20	.25	.40	.55	.90
A-1798	.10	.12	.12	.15	.28	.35	.55	.80	1.30
A-1800			.12	.12	.20	.25	.40	.55	.90
A-1800			.15	.15	.28	.35	.55	.80	1.30
Size	Ir	nches	2½	3	31/2	4	41/2	5	6
A-1793 R. H		Each	\$0.90	\$1.50	\$2.25	\$3.00	\$3.50	\$4.00	\$ 6.50
A-1793 R. H	Galv.	Each	1.50	2.60	3.75	5.00	Ψο.οο	6.50	10.00
A-1795		Each	1.25	2.50	3.25	4.50	5.25	6.00	7.50
A-1795	Galv.	Each	1.90	3.75	4.75	6.75	0.20	9.00	11.00
A-1798		Each	1.50	2.25		3.50		0.00	22.00
A-1798	. Galv.	Each	2.25	3.50					
A-1800									



A-1803 Side Outlet



A-1806 Drop



A-1809 Long Drop

#### MALLEABLE IRON FLROWS

WIALLEAD	LE IN	ON	FLRO	WS				
SizeInches	1/4	3/8	1/2	3/4	1	11/4	1½	2
A-1803       Each         A-1803       Galv Each         A-1806       Each         A-1806       Galv Each	\$0.06	.10	.15	.25		.65	.90	1.50
SizeInche	es j	4x <sup>3</sup> / <sub>8</sub>	3,	/ <sub>8</sub> x <sup>3</sup> / <sub>8</sub>	1/2	2x <sup>3</sup> / <sub>8</sub>	1/2	x½
A-1809	h	$\begin{array}{c} \$0.10 \\ .18 \\ 2\frac{3}{8} \end{array}$		$\begin{array}{c} 0.10 \\ .18 \\ 2\frac{1}{2} \end{array}$	"	0.18		0.18 .27 3½



A-1812 Straight and Reducing



A-1815 Service Tees



A-1818 Four-Way Tees

### MALLEABLE IRON

Size Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	$1\frac{1}{2}$	2	21/2	3
A-1812 Each	\$0.07	\$0.08	\$0.09	\$0.11	\$0.15	\$0.25	\$0.30	\$0.45	\$0.60	\$1.05	\$1.70
A-1812Galv. Each	.09	.10	.13	.16	.20	.38	.50	.70	1.00	1.90	3.00
A-1815 Each				.15	.25	.35	.50	.75	1.15	2.00	
A-1815 Galv. Each			.15	.20	.35	.50	.70	1.10	1.65		
A-1818			.12	.14	.20	.35	.50	.80	1.25		
A-1818Galv. Each			.17	.20	.28	.50	.70	1.10	1.75		
Size	1	nches	3x2½	∕2x3	3x3:	x4	31/2	4	4½	5	6
A-1812		Each					\$2.50	\$3.40	\$4.25	\$5.00	\$7.75
A-1812	.Galv.	Each					4.25	5.75		8.00	12.00
A-1815		Each	\$2.	50	\$4.0	00					



A-1821 Drop



A-1824 Long Drop

# MALLEABLE IRON TEES

SizeInches	3/8	1/2	3/4	$\frac{3}{4}$ x $\frac{3}{4}$ x $\frac{1}{2}$	1	$1x1x\frac{1}{2}$	1½x1½x½
A-1821 Each	\$0.10	\$0.14	\$0.22		\$0.30		
A-1821Galv. Each	.15	.25	.40				
A-1824	.12			\$0.30		\$0.40	\$0.60
A-1824	.17						
A-1824 Drop length over all	$2\frac{1}{2}$			31/2		33%	33/4



A-1827 Straight and Reducing Cross



Y Bend



Open



A-1835 Close

# MALLEABLE IRON FITTINGS Return Bends

SizeInches	1/4	3/8	1/2	3/4	1	11/4	1½	2	2½	3	31/2
A-1827Each	\$0.09	\$0.10	\$0.16	\$0.20	\$0.30	\$0.40	\$0.60	\$1.00	\$1.75	\$3.00	\$3.25
A-1827 Galv. Each	.12	.14	.25	.29	.45	.60	.90	1.50	2.75	4.50	
A-1830Each			.40	.50	.60	.80	1.00	1.70	2.00	4.00	
A-1830 Galv. Each			.60	.75	.90	1.25	1.50	2.50	3.00	6.00	
A-1832 R. H Each			.20	.30	.50	.65	.85	1.25	2.00	3.00	
A-1832 R. H Galv.			.28	.45	.70	.90	1.25	2.00	3.50	5.00	
A-1832 R. & L Each			.25	.38	.60	.80	1.05	1.55	2.50	3.75	
A-1832 R. & L Galv.				.55	.80	1.05	1.50	2.40		,	
A-1832 L. H Each			.25	.38	.60	.80	1.05	1.55	2.50		
A-1835 R. H Each			.18	.25	.35	.50	.75	1.00			
A-1835 R. H Galv.			.25	.35	.55	.75	1.15	1.65			
A-1835 R. & L Each			.23	.30	.45	.60	.90	1.25			
A-1835 R. & L Galv.			35	.40	.65	.85	1.30	1.90			
A-1835 L. H Each			.23	.30	.45	.60	.90	1.25			
A-1832 C. to CInches			$1\frac{1}{2}$	2	$2\frac{1}{2}$	3	31/2	4	41/2	5	
A-1835 C. to CInches			1	11/4	$1\frac{1}{2}$	$1\frac{3}{4}$	23/16	$2\frac{5}{8}$			
Size			Inches	4	41/2	5	6	7	8	10	12
					1/2		-0	_ (		10	12
A-1827				\$5.25 8.00		\$7.50	\$13.00				







A-1839 Waste Nuts



Lock Nuts





Lock Nuts Faced Extension Pieces

#### MALLEABLE IRON FITTINGS

	WALLEADEE IKON FITTINGS												
Size         Inches           A-1837         Each           A-1837         Galv Each           A-1839         Each           A-1839         Galv Each           A-1841         Each           A-1841         Galv Each           A-1843         Each           A-1843         Galv Each           A-1846         Each           A-1846         Galv Each	\$0.03 .04 .04 .08 .02 .03 .08 .11	\$\frac{3\8}{\$0.04}\$ .05 .05 .10 .03 .04 .09 .13 .06	$\begin{array}{ c c c }\hline & \frac{1}{2} \\\hline \$0.05 & .08 \\ .06 & .12 \\ .04 & .05 \\ .10 & .15 \\ .09 & .13 \\\hline \end{array}$	$\begin{bmatrix} \frac{3}{4} \\ \$0.08 \\ .12 \\ .08 \\ .16 \\ .05 \\ .07 \\ .12 \\ .18 \\ .12 \\ .18 \end{bmatrix}$	\$0.12 .17 .10 .20 .07 .10 .15 .22	1½ \$0.16 .24 .15 .30 .09 .14 .20 .30	\$0.24 \$0.24 .38 .25 .50 .11 .25 .35	\$0.32 .52 .52  .18 .30 .30 .45	\$0.45 .76	.4.			
Size A-1837 A-1837.						Each	$ \begin{array}{r} 3\frac{1}{2} \\ \$1.00 \\ 1.60 \end{array} $	$\frac{4}{\$1.20} \\ 2.00$	\$2.50 3.50	\$3.50 5.00			

# Revised Classification and Price List MALLEABLE IRON FITTINGS FOR STEAM, GAS AND WATER

CLASS	A	В	C
Elbows	½x½ ½x½ ½x½ 38x½	1/4, 3/8 and 1/2 3/8×1/4 1/2×1/4 1/2×3/8	*3/4 and larger
Elbows, Right and Left	1/4 and 3/8	½, ¾ and 1	*11/4 and larger
Elbows, 45 degrees		1/4 to 2 inclusive	2½ and larger
Elbows, 60 degrees		1¼ to 2	
Elbows, Street		$\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{1}{2}$ and $\frac{3}{4}$ $\frac{3}{4}x\frac{1}{2}$ and $1x\frac{3}{4}$	1 and larger
Elbows, Street, 45 degrees		√2 to 2	• • • • • • • • • • • • • • • • • • • •
Elbows, Side Outlet		all sizes	
Elbows, Drop		all sizes	
Tees	1/8×1/8 1/4×1/4 1/4×1/8 3/8×1/8	1/4, 3/8 and 1/2 1/4×3/8 3/8×1/4×1/4 3/8×1/4 3/3×1/4×3/8 1/2 reducing	*3/4 and larger
Tees, Street		3/8, 1/2 and 3/4 1x3/4x1	1 and larger
Tees, Four-Way		all sizes	
Tees, Drop		all sizes	
Straight Crosses		1/4 to 1 inclusive	1¼ and larger
Reducing Crosses		1 and smaller	*11/4 and larger
Rod Couplings	all sizes		
Y Bends		all sizes	
60 degree Y Bends		all sizes	
Return Bends		1 and smaller	11/4 and larger
Return Bends, R. and L	3/8 and 1/2	3/4 and larger	
Couplings, R. H	<u> 1</u> /8	1/4, 3/8, 1/2 and 3/4	1 and larger
Couplings, R. and L	1/8	1/4, 3/8, 1/2 and 3/4	1 and larger
Couplings, Reducing	<sup>1</sup> / <sub>4</sub> x <sup>1</sup> / <sub>8</sub> , <sup>3</sup> / <sub>8</sub> x <sup>1</sup> / <sub>8</sub> , <sup>1</sup> / <sub>2</sub> x <sup>1</sup> / <sub>8</sub>	3/8 x 1/4 to 1 x 3/4	*11/4 and larger
Offsets		all sizes	
Caps		1/4 to 1 inclusive	1¼ and larger
Lock Nuts		1/4 to 11/4 inclusive	1½ and larger
Extension Pieces		all sizes	
Waste Nuts		all sizes	
Chandelier Hooks		all sizes	
Wall Plates		all sizes	

\*Fittings in Class C having one or more outlets smaller than  $\frac{3}{4}$  will be charged in Class B.

# In ordering, be particular to state whether for Gas or Steam PRICE LIST

CLASS	A	В	С
Price, per pound, Black Price, per pound, Galvanized	\$0.40 .50	\$0.20 .28	\$0.12 .19

NOTE: Orders for LESS than twenty-five (25) pounds of Black or Galvanized Fittings will be charged at a uniform price of Class "B," and all in Class "A" "A" prices respectively.



10

12







A-1849 Cross Overs A-1852 Cross Over Tees MALLEABLE IRON FITTINGS

A-1855 Wash Tray Tees

SizeInches	$\frac{1}{2}$	3/4	3/4×1/2	1
A-1849       Each         A-1849       Galv. Each         A-1852       Galv. Each         A-1855       Galv. Each	.25	.56	\$0.30	





A-1858 Couplings Wrought Iron

A-1861 Long Screws

		V	Vrough	ht Iron	1				ig Scre	- 11 5			
Size			Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	1½	2	2½
A-1858 A-1858 A-1861 A-1861		Galv Galv	. Each . Each . Each		\$0.05 .06 .30 .35 2½	\$0.06 .08 .35 .40 3	\$0.07 .10 .40 .50 3½	\$0.10 .13 .55 .66 4	\$0.13 .18 .75 1.00 4½	\$0.17 .25 1.00 1.25 5	$$0.21$ $.32$ $1.30$ $1.60$ $5\frac{1}{2}$	\$0.28 .40 1.70 2.10 6	\$0.40 .55 2.70 3.10 7
Size	3	3½	4	41/2	5	6	7	8	9	10	12		
A-1858 A-1858 A-1861 A-1861 Star	\$0.80 1.05 5.40 6.50 8½	1.40 6.60		2.25	3.25								
	ST	AND	ARD	THRI	PRICEADS	FOR	ST OI	F OUG	нт п	RON	PIPE		
Size. Inches	1/8	1/4	3/8	1/2	3/4	1	11/4	1½	2	21/2	3	$3\frac{1}{2}$	4
Price . Each	\$0.05	\$0.05	\$0.05	\$0.05	\$0.05	\$0.06	\$0.07	\$0.08	\$0.10	\$0.15	\$0.20	\$0.25	\$0.35

# PRICE LIST OF LOCK-NUT THREADS

.....Each \$0.45 | \$0.55 | \$0.70 | \$0.85 | \$1.00 | \$1.25 | \$1.50 | \$2.50

.....Inches  $4\frac{1}{2}$ 

SizeInches	1/4	3/8	1/2	3/4	1	11/4	1½	2	2½	3	3½	4
PriceEach	\$0.10	\$0.10	\$0.10	\$0.10	\$0.12	\$0.14	\$0.16	\$0.20	\$0.30	\$0.40	\$0.50	\$0.70



#### WROUGHT IRON NIPPLES



Close A-1864

Shoulder A-1867

#### **BLACK—RIGHT HAND**

	Leng	th, I	nche	s			Prices Prices of Extra Long Nipples								ples		
Close	Short		Long		Size, Ins.	Close	Long					Inche	s				
		10.7					Short		4	5	6	7	8	9	10	11	12
3/4 7/8	$1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$ $1\frac{1}{2}$	$\frac{2}{2}$	$\frac{2\frac{1}{2}}{2\frac{1}{2}}$	3 3 3	$\frac{3\frac{1}{2}}{3\frac{1}{2}}$	1/8 1/4	\$0.04	\$0.06		\$0.08	\$0.10	\$0.12 .12	\$ 0.14	\$ 0.15 .15	\$ 0.17	\$ 0.18	\$ 0.19
1	$\frac{1}{1}\frac{1}{2}$	2 2	$\frac{21_{2}}{21_{2}}$	3	$\frac{3\frac{1}{2}}{3\frac{1}{2}}$	1/8 1/4 3/8 1/2 3/4	.04		.07	.08	$.10 \\ .12$	.12	. 14	.15	$\frac{.17}{.20}$	.18	.19
1 1/2	2 2	$\frac{2\frac{1}{2}}{2\frac{1}{2}}$	$\frac{3}{3}$	$\frac{31/2}{31/2}$	4	1	.06	.09		.11	.13	. 17	. 18	.20	.22	. 24	. 2
13/4	$   \begin{array}{c}     2\frac{1}{2} \\     2\frac{1}{2} \\     2\frac{1}{2}   \end{array} $	3	$\frac{3\frac{1}{2}}{3\frac{1}{2}}$	4 4 4	$\frac{4\frac{1}{2}}{4\frac{1}{2}}$	1 1/4	.11			$\begin{array}{c} .20 \\ .25 \\ .32 \end{array}$	.24	. 29 . 36 . 50	. 33 . 40 . 54	.36 .45 .59	. 40 . 50 . 65	. 44 . 54 . 72	.5
21/2	3 3	$\frac{31_{2}}{31_{2}}$	4 4	41/2	5	2½ 3	.39	.59			.68	1.08	.97	1.06	1.17	1.26	1.3
2 <sup>3</sup> ⁄ <sub>4</sub>	4	$\frac{4\frac{1}{2}}{4\frac{1}{2}}$	5 5	$\frac{5\frac{1}{2}}{5\frac{1}{2}}$	6	3 1/2	.75	1.05 1.20				1.30 1.52	1.45	1.60 1.87	$\frac{1.75}{2.05}$	1.90	2.0
31/4	4 4½ 4½ 4½	4½ 5 5	5 5½	5½ 6	6 1/2	4 ½ 5	1.25	2.45				2.25	2.50	$\frac{2.75}{3.10}$	2.95 3.35	3.17 3.60	3.4
11881284 11584 122234 1414534 1414534 1414534 1414534	5 5		5½	6	6½	6 7 8	1.85 3.20 3.55				3.60 4.05	3.05 4.05 4.55	3.35 4.45 5.05	3.70 4.90 5.50	4.00 5.30 6.00	4.30 5.75	4.6 6.1
4	5 5					9	5.25 6.75				4.00	2.33	6.50 8.25	7.10 8.90	7.75 9.70	6.50 8.40 10.40	7.0 9.0 11.1
4	5					12	8.00						10.00	10.80	11.75	12.70	13.6

Nipples made to order from extra heavy pipe at double above list. Nipples larger than 12-inch made to order and charged as cut pipe, and threads extra.

#### GALVANIZED—RIGHT HAND

11/2 11/2 11/2 11/2 11/2 11/2 11/2 11/2	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	4 1/2 4 1/2 4 1/2 5 5 6 6 6 6 6 6 6 1/2 6 1/2	1/2 3/4 1 1/4 1/2 2 2/2 3/4 4/2 5 6 7	\$0.06 .06 .06 .06 .08 .11 .17 .21 .27 .56 .70 1.20 1.35 1.85 2.30 2.80 4.25	.11 .11 .14 .19 .29 .35 .47 .86 1.10 1.70 1.87 2.60 3.15 4.25	.12 .13 .13	.15 .15 .16 .18 .24 .32 .39 .52	\$0.17 17 17 18 21 28 38 46 61 1.00 1.30	\$0.21 .21 .23 .26 .34 .45 .55 .74 1.26 1.60 2.10 2.30 3.75 4.50 5.65	\$0.24 .24 .24 .26 .29 .38 .51 .63 .83 .41 1.80 2.35 2.66 4.20 5.06	\$0.26 .26 .28 .32 .42 .70 .93 .1.56 .2.00 .2.60 .2.40 .5.46 .60 .5.57 .7.05	\$0.29 .29 .29 .31 .35 .47 1.03 1.77 1.2.20 2.85 3.20 6.05 6.05 7.75	\$ 0.31 .31 .33 .38 .51 .69 .84 1.13 1.23 1.24 2.40 3.15 3.50 4.85 5.40 6.60 8.445	\$ 0.34 .34 .36 .41 .55 .76 .91 .2.66 .3.40 .3.86 .5.86 .7.11
3½ 5 3½ 5	1			7 8											

### BLACK—RIGHT AND LEFT HAND

Add 60 per cent to above prices for galvanized right and left nipples.



A-1870

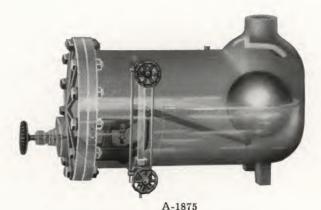
# STANDARD STEAM TRAP

Diameter, inches	12	15	18
Drainage capacity, feet of 1-inch pipe	1,500	3,500	5,000
Price, each	\$23.00	\$36.00	\$54.00



# NASON STEAM TRAP

Number 1	2	3	4	5
Pipe connections, inches	3/4	1	11/4	11/2
Diameter flange, inches 103/4	$14\frac{1}{2}$	$15\frac{1}{4}$	19	241/4
Diameter cylinder, inches 8	$10\frac{1}{2}$	12	14	18
Height over valve, inches	14	$16\frac{1}{4}$	$18\frac{1}{2}$	231/2
Height over cover, inches	10	12	14	$15\frac{1}{2}$
Lineal feet 1-inch pipe	3,450	5,250	7,650	12,000
Square feet surface 500	1,150	1,750	2,550	4,000
Discharge pounds water per minute 4½	$6\frac{1}{2}$	10	$15\frac{1}{2}$	23
Price\$16.00	\$20.00	\$27.50	\$42.50	\$70.00



DAVIS IMPROVED STEAM TRAP

The Davis Improved Steam Trap will automatically relieve the water of condensation from a system of steam pipes without loss of steam. It has double cone shaped balanced valves, which are operated by a high pressure seamless copper float, and which are effectively sealed at all times by several inches of water, thus preventing all leakage of steam. It discharges continuously as fast as the water enters the trap, and due to the fact that the valves are balanced, it will operate equally well under any pressure. Having two valves, the capacity of this trap is greater than a single valve trap. The valves are cone shaped and cannot stick or be affected in any way by oil, grease, sediment or foreign matter which may enter the trap.

This trap is tapped for air gauge and for air cock, which are not furnished with the trap.

		Siza Inlat		Approximate		
		In Lineal Feet of 1-inch Pipe	In Square Feet of Radiating Surface	In Gallons per hour at 10 Pounds Pressure	Weight in Pounds	
00	\$ 15.00	1/2	1,500	500	180	25
0	20.00	$\frac{1}{3}\frac{2}{4}$	3,000	1,000	425	40
1	30.00	1	6,500	2,175	725	60
2	45.00	11/4	15,000	5,000	1,300	80
3	60.00	$1\frac{1}{2}$	20,000	6,675	2,000	125
4	80.00	2	30,000	10,000	2,775	235
5	100.00	$2\frac{1}{2}$	40,000	13,350	6,000	240
6	125.00	3 "	60,000	20,000	19,000	250



#### LOW PRESSURE DAMPER REGULATOR

Price, each\$5.00	
Extra Regular Rubber Diaphragm, each	
Extra Special Pressed Rubber Diaphragm, each	



### **GATE VALVES**

#### Non-Rising Stem

Suitable for 150 pounds water pressure and 125 pounds steam pressure.

Size, in	ches	2	21/2	3	31/2
A-1880	Hub, each	\$10.00		\$14.00	
A-1883	Screwed, o	ea. 10.00	\$11.50	14.00	\$17.00
A-1883	Flanged, e	ea. 12.00	13.50	16.50	19.50
Size, in	ches		. 4	41/2	5
A-1880	Hub, each		.\$19.00		\$27.50
A-1883	Screwed,	each	. 19.00	\$24.00	27.00
A-1883	Flanged, 6	each	23.00	28 00	31.50



A-1880 Hub

	11-1000 11ub				A-1883	Screwed
Size, in	ches 6	7	8	9	10	12
A-1880	Hub, each\$32.50	\$45.00	\$54.00		\$90.00	\$125.00
A-1883	Screwed, each 32.50	45.00	54.00	\$76.00	90.00	125.00
A-1883	Flanged, each 36.50	49.00	58.00	81.00	95.00	133.00



A-1885 Horizontal Check



A-1887 Globe RON BODY VALV



A-1889 Angle

	IRON	BO	DY VAL	VES			
Size, in	ches	2	21/2	3	31/2	4	41/2
A-1885	Screwed, each\$	3.60	\$ 6.50	\$ 8.90	\$12.25	\$ 14.25	\$ 19.00
A-1885	Flanged, each			11.50		18.00	
A-1887	Brass Disc Screwed, each	5.40	7.35	9.80	15.25	19.00	24.00
A-1887	Brass Disc Flanged, each	7.00	9.00	12.50	18.50	22.50	27.50
A-1887	J. D. Screwed, each	7.25	11.00	16.00	19.50	24.00	32.00
A-1887	J. D. Flanged, each		14.00	18.50	21.50	26.00	34.00
A-1889	Brass Disc and J. D., Screwed						
	and Flanged		Same Pr	ices as A	4-1887 Glo	be Valves.	
Size, in	ches		6	7	. 8	10	12
A-1885	Screwed, each\$	22.00	\$30,00				
A-1885	Flanged, each	26.00	35.00	\$50.00	\$62,00	\$115.00	\$175.00
A-1887		27.00	37.50	63.00	72.00	114.00	170.00
A-1887	Brass Disc Flanged, each	31.00	42.00	68.00	77.00	123.00	187.00
A-1887	J. D. Screwed, each	40.00	48.00	80,00	90.00	130.00	185.00
A-1887	J. D. Flanged, each	42.00	50.00	80.00	90.00	130.00	185.00
No	te-All Globe and Angle Valves	, size	larger than	3-inch.	are furnish	ned with v	oke



A-1891 Lock Gas Service Cocks



A-1895 L. H. Stops



A-1897 Square Head Steam Cocks

Size, inc	thes 3/8	1/2	3/4	1	11/4	$1\frac{1}{2}$	2
A-1891	Each\$1.60	\$1.70	\$1.90	\$2.85	\$4.60	\$6.35	\$10.70
A-1895	Each 1.70	1.75	3.00	4.40	7.45		
A-1897	Each 1.00	1.25	1.70	2.35	3.70	4.85	7.30



A-1899 Flatway Hose Bibs



A-1901 Horizontal Check Valve



A-1903 Swing Check Valve



A-1906 Gate Valve With Union

Size, in	nches 1/4	3/8	$\frac{I}{2}$	3/4	1	11/4	$1\frac{1}{2}$	2	21/2	3
A-1899	Each	\$1.85	\$2.00	\$3.25	\$5.00					
A-1901	Each \$0.65	.70	.90	1.15	1.60	\$2.25	\$3.15	\$4.75	\$9.00	\$13.00
A-1903	Each	1.80	2.00	2.25	2.80	3.65	4.75	6.75	15.00	24.00
A-1906	Each		3.10	3.75	4.65	6.10	7.85	12.00		



A-1909 Gate Valve



A-1911 Angle Valve Brass Disc



A-1913 Globe Valve Brass Disc

Size, in	ches ½	1/4	3/8	1/2	3/1	1	11/4	11/	9	0.1/	
A-1909	Each \$0.79	Q1 12	01.12	<b>A O V</b>		-	1/4	1/2	~	21/2	3
1 1000	Lacii	ф1.45	\$1.45	\$1.65	\$2.05	\$2.80	\$3.70	\$5.00	\$7.30	\$13.00	\$10.00
	134011 40.10	. 1 6	. 6 6	1 ()()	1 26	1 00	0 50	0 40	M 00		
A-1913	Each \$0.72	Mo	NN	1.00	1.20	1.00	2.0%	5.50	5.30	10.00	14.40
	Each72	.12	.77	1.00	1.26	1.80	2.52	3.50	5.30	10.00	14.40



A-1915 J. D. Globe Radiator Valve With Union



J. D. Angle Valve



J. D. Globe Valve

Size, inc	ches 1/8	1/4	3/8	1/2	3/4	1	11/4	11/2	2
A-1915 A-1917	Each\$1.10 Each\$1.10	\$1.10	\$1.25	\$1.60	\$3.80	\$4.75	\$6.40	\$8.10	\$13.10 8.75





A-1922 Right Hand



A-1924 Left Hand



A-1927 J. D. Steam Radiator Valve With Union

Corner Radiator Valves With Unions

		Body. Plate	ed All Ove	er		
Size, inc	hes <sup>1</sup> / <sub>2</sub>	3/4	1	11/4	11/2	2
A-1922	Each\$3.45	\$4.20	\$5.25	\$7,05	\$8.95	\$14.45
	Each 3.45		5.25	7.05	8.95	14.45
A-1927	Each 3.15	3.80	4.75	6.40	8.10	13.10



A-1930 Quick Opening Water Radiator Valves With Union



A-1933 Union Radiator Ells



A-1936 Unique Water Radiator Valve

		Rough Body	Plated	All Over			
Size, inc	hes	· · · · · · · · · · · · /2	3/4	1	11/4	$1\frac{1}{2}$	2
	Each		\$2.85	\$3.65	\$5.05	\$7.10	\$10.85
A-1933	Each	1.75	2.00	2.50	3.20	4.00	7.00
A-1936	Each	4.25	5.40	5.80	7.95		



A-1939

A-1939 Steam Radiator Valve Back Offset Type A-1941 Multi-Port Vapor Packless Radiator Valve

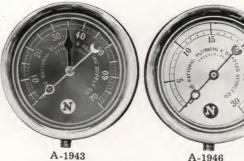


A-1941

Size, inches 34	1	11/4	11/2	2
<b>A-1939</b> Each\$3.90	\$4.80	\$6.65	\$8.50	\$13.90
A-1939 With union 4.20	5.25	7.05	8.95	14.45
A-1941 Each 4.50	5.75	7.00	****	







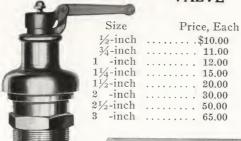
A-1943 Altitude Gauges will indicate accurately, at the boiler, the height of water in the system, and are essential to every first class hot water heating plant.
Size, 4½ inches; iron case with N. P. rim

complete with cock.

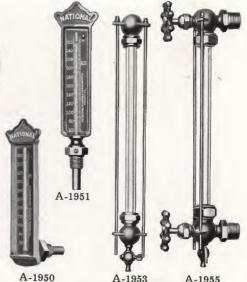
List price, each ......\$12.20
A-1946 Steam Gauges are all equipped with Bourdon hairspring tension, so the movement is rendered very sensitive at the lowest pressures under which house-heating boilers are usually operated—viz., 2 pounds or less. Size, 4½ inches; iron case without back flange; nickel plated rim, silvered dial,

carefully packed in separate wooden boxes.

## STEAM HEATING POP SAFETY VALVE.



A-1948



#### HOT WATER THERMOMETERS A-1950 Angle, each ..... 2.50 A-1951 Straight, each .....\$2.00

#### WATER GAUGE FOR EXPANSION TANK

A-1953 Rough body, 1/2-inch connections, 5/8x12-inch glass, two guard rods. Price, each .....\$2.60

## SELF-CLEANING WATER GAUGE

A-1955 With iron wheels, 3/8 or 1/2-inch connections, 5/8x12-inch glass, two guard rods. Price, each ....



## A-1957 GENUINE MONCRIEFF GAUGE GLASSES

Length, inches	S 10	11	12	13	14	15	16	17
5%-inch Per	dozen\$3.00	\$3.24	\$3.60	\$3.84	\$4.20	\$4.44	\$4.80	\$5.04
3/4-inch Per	dozen3.60	3.96	4.32	4.80	5.16	5.52	5.88	6.24
Length, inches 18		19	20	22	24	30	36	
5%-inch Per	dozen\$5.40	\$5.64	\$6.00	\$6.60	\$7.20	\$ 9.00	\$10.80	
34-inch Per	dozen 6.60	7.08	7.44	8.16	8.88	11.16	13.44	

1/2-inch Glass Tubes same list as 5/8-inch. Sizes over 24 inches, special discount.

Extra Brass Guards for A-1953 and A-1955, 14-inch, each, 12c; 16-inch, each, 15c, and 18inch, each, 20c.









# HOFFMAN AUTOMATIC AIR VALVES

	No. 1 Hoffman Siphon Automatic Air Valve, non-adjustable. List, each\$1.90 No. 2 Hoffman Siphon Automatic Air and Vacuum Valve, non-adjustable. List,
	each
	No. 3 Hoffman Automatic Air Line Valve, non-adjustable. List, each 2.50
A-1965	No. 4 Hoffman Junior Quick Vent Automatic Air Valve, non-adjustable. List,
	each
	Special Catalogue of Hoffman Air Vents sent upon request.



A-1966 A-1967

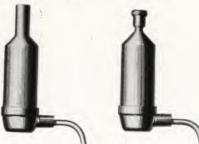
A-1966 "Gardoch"

Each .....\$0.70

A-1967 "Garrity" Each .....\$0.90

A-1968 "Buckeye" Each .....\$0.90



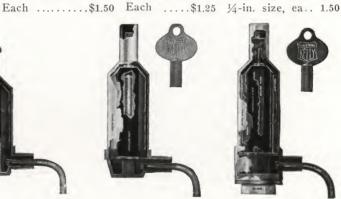






Nos. 31 and 32 Paul 1/8-in. size, ea..\$1.25







A-1972

A-1973

A-1974

A-1975

A-1972 A-1973

A-1974 A-1975 Special Catalogue of Kelly Air Vents sent upon request.

284









A-1990







A-1986

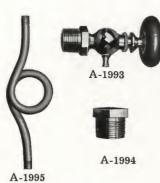






3/8 1/2	3/8	1/4	½	ches	Size, in
\$0.65 \$0.75	\$0.65	\$0.60	\$0.55	Air Cock, each	A-1978
.50 .60	.50	.45		Air Cock, each	A-1980
.85 1.10	.85	.70		Air Cock, each	A-1982
.85	.85			Wood Wheel Compression Air Valv	

A-1984	Wood Wheel Compression Air Valves, per dozen\$	2.00
A-1986	Extra Loose Keys, each	.06
A-1988	Loose Key Compression Air Valves, per dozen	1.80
A-1990	Compression "Coin" Air Valves, per dozen	1.00
A-1992	Wood Wheel Compression Air Valves, per dozen	1.60



	Size,	inches		3/8	1/2	3/4	1	11/4	11/2	2
--	-------	--------	--	-----	-----	-----	---	------	------	---

A-1993 Compression

Gauge Cock, ea..\$0.95 \$1.00 \$1.25 ..... .....

A-1994 Fusible Plug, ea. ... .60 .75 \$1.00 \$1.50 \$2.00 \$3.00

A-1995 1/4-inch Steam Gauge Syphon, 8 inches long, each...\$0.50 This syphon can also be made in the angle design instead of the straight, each ......

A-1998 Low Pressure Rubber Diaphragm:

Size, inches .... 7 8 Price, each....\$0.90 \$1.00 \$1.20 \$1.40



A-1998





A-2001 RADIATOR PLUG



A-2003

## RADIATOR BUSHING

Size, in	ches	11/4	11/2	2
A-2001	Each	80.09	\$0.12	\$0.14
A-2003	Each		.15	.20



A-2006



A-2008 Ceiling Bracket



A-2010 Top Guide



A-2012 Bottom Guide

## BRACKETS

A-2006 Brackets "L," "O," "MM" and "M" screw to wall, baseboard or wainscoting.

"L" and "O" Brackets are bottom supports for all sizes of radiators. "MM" and "M" Brackets are top guides to hold radiator in place. "L" and "MM" Brackets are concealed, and "O" and "M" are not.

**A-2008** Ceiling Bracket is made of cast plate,  $3\frac{1}{4}$  inches in diameter, to be screwed to ceiling joist. Bolt furnished allows a distance of  $3\frac{1}{2}$  to 5 inches from bottom of radiator to ceiling. Other lengths can be furnished on special order.

Price, per pair......\$1.00

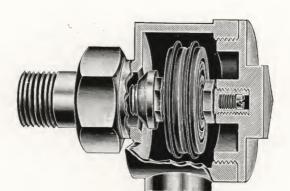
A-2010 and A-2012 Concealed Brackets for supporting single column, two-column, three-column and four-column direct radiators.

Price, per set of one each.......\$0.50



## RADIATOR PEDESTALS

	inches										
A-2015	Each	.\$0.10	\$0.10	\$0.10	\$0.12	\$0.14	\$0.14	\$0.20	\$0.20	\$0.20	\$0.24
Height	inches							31/2	4	41/2	5
	Each										



A-2018

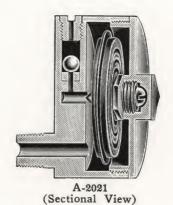
### RADIATOR TRAP

**A-2018** "Bottum" Radiator Trap for Vapor Heating responds readily to the difference in temperature that exists between vapor and its condensation. The expansion fluid which forces its movement is a special composition which differs from others in the respect that there is no gas formed. It is the expansion of a solid that moves its parts.

This valve is made from red brass, heavy in design and perfect in work-manship. The expansion parts are made from phosphor bronze, which is the only lasting metal for this purpose.

1/2-inch size, each......\$4.25 3/4-inch size, each......\$5.25





## HOT WATER RADIATOR VALVES

**A-2027** Temperature Controlled Hot Water Radiator Valve, operated by the temperature of water.

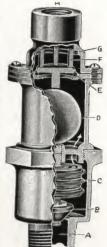
Made in three sizes..34-in. 1-in. 11/4-in. Price, each .......\$5.50 \$6.00 \$6.50

Special literature, giving full description of this valve, sent upon request.

A-2030 Four-Purpose Valve: Air, Water, Vacuum, Steam. The purpose of this valve is to relieve the mains of a heating system from air, to prevent the escape of air or steam, and by closing when the system cools, producing a vacuum.

The method of its operation is as follows:

F is a double seated valve which closes against E and G. Air entering A will pass up and flutter F, passing out via H. When the water of condensation seeks to follow it will float D, which will lift F and close against G. When the water recedes, F will return to position as shown. Steam enter-



A-2030

## WATER TEMPERATURE REGULATOR

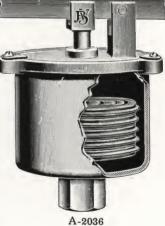
A-2033 Water Temperature Regulator operates by water temperature, opening and closing the dampers as desired.

Price, each .....\$18.00



A-2036 Steam Temperature Regulator operates at 3 ounces pressure. Especially adapted for vapor heating. All expansion members are made from phosphor bronze. All other parts except body, lever and weights are made from cast brass.

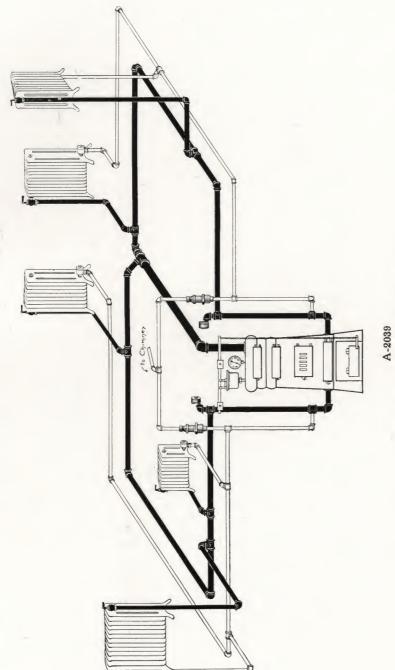
Price, each ......................\$18.00





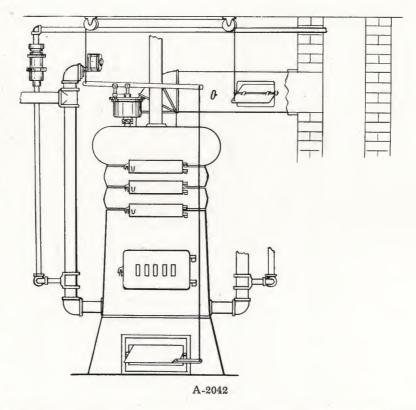
288





# VAPOR SYSTEM OF PIPING

**A-2039** shows installation of vapor system when "Bottum" Specialties are used. Special literature in regard to this system will be sent upon request.



A-2042 shows boiler connections when "Bottum" Specialties are installed.

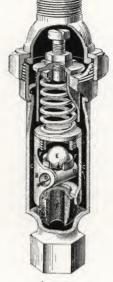
"Bottum" Specialties, as described elsewhere in this catalog, add greatly to the efficiency of the heating plant, making the system easy of operation, thereby effecting great saving in fuel.

Special literature in regard to the "Bottum Vacuum System" will be sent upon request.





A-2045 "B" Heat Intensifier



A-2045 (Sectional View)



A-2051 Honeywell Heat Generator



A-2051 (Sectional View)

Honeywell Heat Generator

## "B" HEAT INTENSIFIER

The "B" Heat Intensifier is an appliance of scientific construction for adding pressure to hot water heating systems. On hot water systems having twelve hundred square feet of radiation or less, a ¾-inch pipe is of sufficient size to connect the "B" Heat Intensifier to the expansion tank. Over twelve hundred square feet of radiation, 1-inch pipe should be used.

The valve is set at 10 pounds.

"B" Heat Intensifier

Price, each .......\$15.00

#### HONEYWELL HEAT GENERATOR

The "Honeywell" Heat Generator is designed to meet the demand for a device to quicken the circulation in hot water heating jobs. When connected to the piping of an ordinary gravity plant, this generator seals the circuit and permits the generation of a slight pressure up to 10 pounds, at which point it relieves itself through the operation of a mercury seal, eliminating the element of danger.

This generator can be installed on old or new plants and will be found to effect a saving in fuel.

#### PRICE LIST, EACH

Style 1.	1,200 square feet	,	. \$25.00
Style 2.	2,500 square feet		. 35.00
	3,500 square feet		
	10,000 square feet		











A-2059

A-2062

#### MINNEAPOLIS HEAT REGULATORS

#### A-2057

The Model No. 35 is finished with a clock time attachment, which allows a lower temperature at night and at any set hour in the morning will automatically turn the indicator to seventy degrees, thereby giving the occupants of the house a warm and comfortable home when they arise. The thermostat is small and inconspicuous and is an ornament in any room. We are furnishing the Model No. 35 in one design only, as shown above, namely: The time attachment with the one-day clock. With gravity motor only.

#### A-2059

#### One-Day Clock

This particular model finds a ready sale. It has a reliable clock, which, when set, will change the indicator at any pre-determined hour, enabling one to have the rooms cool during the night, with a resumption of the daytime temperature at the hour indicated. The clock is hinged in front, and swings in a complete circle for winding. It is easily removed. All arbors wind with one key.

#### A-2062

#### Eight-Day Clock

This model is equipped with a very high grade timepiece, both clock and alarm of same running eight days with one winding. The clock has a solid brass case, repeater alarm, jeweled balance and bevel glass front.

The clock swings in a complete circle and does not have to be removed for winding,



A-2065 Spring Motor for Models 47 and 60

#### List Prices

Shipping weight, approximately 30 lbs. each.

No. 35 (with 1-day time) gravity motor only......\$35.00

Spring Motor

 No. 40 (no time)
 \$40.00

 No. 47 (1-day time)
 47.00

 No. 57 (double clock)
 57.00

 No. 60 (8-day time)
 60.00

No. 65 (hot water or tank).. 65.00



A-2068 Gravity Motor for Model 35 Regulator







A-2070

## A-2070 GALVANIZED EXPANSION TANKS

All tanks are tested at 100 pounds pressure and are good for full rated capacity.

Tapping—These tanks are tapped top and bottom for 1-inch overflow and expansion pipe, and on side for feed pipe. Water gauge tappings are 12 inches between centers.

List Prices for Tanks Only

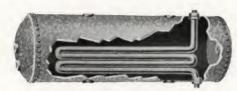
Size	Capacity,	Square Feet	Price of
Inches	Gallons	of Radiation	Tank Only
$9x20 \dots$	$5\frac{1}{2}$	175	\$ 6.50
10x20		250	7.50
	10		
12x24		400	
$12x30 \dots$		500	9.00
$12x36 \dots$	18	600	9.50
$14x30 \dots$		700	
$14x36 \dots$	24	800	13.00
$16x30 \dots$		950	
$16x36 \dots$		1300	
$16x48 \dots$		2000	
18x60		3000	







A-2087 Horizontal



A-2089 With Steam Inlet at Top



A-2090 With Galvanized Steam Coil



A-2095 With Steam Inlet at End



A-2098 With Steam Inlet at Bottom

## **GALVANIZED RANGE BOILERS**

## Plain and With Steam Coils

All tappings are 1 inch; larger size tappings will be charged extra. Size of steam coils, 1 inch.

## LIST PRICES

	LIST PRICES		
Capacity	Dimensions	List Price	
18 gallons, 3	3 feet x 12 inches	\$ 14.50	).
24 gallons, 4	4 feet x 12 inches	15.75	i
30 gallons, 5	5 feet x 12 inches	19.00	)
35 gallons, 5	5 feet x 13 inches	21.00	)
40 gallons, 5	5 feet x 14 inches	24.00	)
52 gallons, 5	5 feet x 16 inches	31.00	)
53 gallons, 4	4 feet x 18 inches	31.50	)
63 gallons, 6	3 feet x 16 inches	38.00	)
66 gallons, 5	5 feet x 18 inches	38.00	)
79 gallons, 6	3 feet x 18 inches	44.00	
82 gallons, 3	5 feet x 20 inches	45.50	)
100 gallons,	5 feet x 22 inches	63.50	
	3 feet x 22 inches		
120 gallons, 3	5 feet x 24 inches	72.50	
144 gallons, 6	3 feet x 24 inches	103.00	)
192 gallons, 8	8 feet x 24 inches	132.00	)
	PRICES OF COILS ONLY		
For boilers 1	2 inches in diameter, each	\$10.50	)
For boilers 1	4 inches in diameter, each	12.00	)
For boilers 1	6 inches in diameter, each	16.00	)
For boilers 1	8 inches in diameter, each	18.00	)
	20 inches in diameter, each		
For boilers 2	22 inches in diameter, each	25.00	)
For boilers 2	4 inches in diameter, each	30.00	1
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## A-2100

## PRICE LIST OF STANDARD STORAGE TANKS AND COILS



#### A-2100 **STORAGE TANKS**

For ordinary water storage purposes not to exceed 65 pounds working pressure. All tanks tested to 100 pounds hydrostatic pressure Tapped as shown so that they may be used horizontal or vertical. Made with coils, manholes, etc., if specially ordered. If special tappings are desired, give sketch showing size and location of openings. Brass and copper coils quoted on application.

Cap- acity	Di- ame-	L'gth	Wght	Regul'r Openi'g	Price		Pric	e Co	ils B	uilt in Tai	nks
Gals.	ter Ins.	Feet	Lbs.	Inches	Plain		Size	Coi	1	Plain Coil	Galv. Coil
66	20	4	225	1½	\$43.00	4r	oipes,	1	in.	\$18.00	\$22.00
85	20	5	260	11/2	45.00	4	"	1	"	19.00	24.00
100	24	4	280	11/9	47.00	4	"	11/4	" "	22.00	26.00
120	24	5	325	11/9	50.00	4	"	11/4	"	23.00	28.00
140	24	6	360	$1\frac{1}{2}$	54.00	4	"	11/4		24.00	30.00
150	30	4	425	$\frac{2}{2}$	56.00	4	"	11/4		22.00	26.00
180	30	5	490	2	60.00	4	"	11/4		23.00	28.00
220	30	6	555	$^2$	66.00	4	"	11/4	"	24.00	30.00
250	30	7	620	2	72.00	4	"	11/4	"	25.00	32.00
295	30	8	685	$\frac{2}{2}$	78.00	4	"	11/1	"	26.00	34.00
315	36	6	740	2	82.00	4	"	$1\frac{1}{2}$	"	32.00	39.00
365	36.	7	825	2	90.00	4	"	$1\frac{1}{2}$	"	34.00	42.00
420	36	8	910	$\begin{bmatrix} 2 \\ 2 \\ 2 \end{bmatrix}$	98.00	4	"	$1\frac{1}{2}$	66	36.00	44.00
525	36	10	1050	2	112.00	4	ш	$1\frac{1}{2}$	66	40.00	49.00
430	42	6	890	2	106.00	4	"	11/9	"	32.00	39.00
500	42	7	985	2	114.00	4	"	11/9	66	34.00	42.00
575	42	8	1080	2	124.00	4	44	$1\frac{1}{2}$	"	36.00	44.00
720	42	10	1270	2	140.00	4	44	$1\frac{1}{2}$	"	40.00	49.00
865	42	12	1460	2	158.00	4	"	$1\frac{1}{2}$	ш	44.00	53.00
000	42	14	1650	2	176.00	4	"	11/2	"	48.00	58.00

Manhole, in head .. \$20.00 Manhole, in shell ... 30.00 Handhole, in head .. 6.00 Handhole, in shell.. 6.00

Size, 2 in. List..\$5.00 Flanged | Size, 2½ in. List. 5.00 | Size, 3 in. List. 6.00 enings Size, 3 in. List. 6.00 Extra Size, 3½ in. List. 6.00 Openings { Size, 4 in. List.. 7.00

## A-2105 SIZES, CAPACITY AND PRICES

Capacity,	Diameter	Length,	Tł	nickness	Weight,	Regular	
Gallons	Inches	Feet	Shell, Inches	Heads, Inches	Pounds	Openings Inches	Price
120 140 180 220 250 295 315 365 420 525 430 500 575	24 30 30 30 30 36 36 36 36 42 42 42	5 6 7 8 6 7 8 10 6 7 8	3 3 3 3 3 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4	1   1   1   1   1   1   1   1   1   1	410 470 530 600 670 750 950 1060 1170 1390 1140 1270 1400	1½1½2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3	\$ 60.00 65.00 70.00 78.00 86.00 94.00 118.00 128.00 148.00 126.00 138.00 150.00
720 865 1000 750 940 1130 1300	42 42 42 48 48 48 48	10 12 14 8 10 12 14	1/4 1/4 1/4 1/4 1/4 1/4 1/4	388 4 766 388 4 766 388 4 766 388 4 766 388 4 766 388 4 766 388 4 766	1660 1940 2200 1600 1900 2200 2500	2 2 3 3 3 3	174.00 198.00 222.00 178.00 204.00 230.00 256.00

Coils, manholes, handholes and flanges furnished at same price as in Standard Storage Tanks.



#### A-2105 **EXTRA HEAVY STORAGE TANKS**

Vertical or horizontal, with or without coil. All extra heavy storage tanks are tested to a hydrostatic pressure of 150 pounds to the square inch, and are guaranteed for a working pressure of 100 pounds to the square inch. All longitudinal seams double riveted. All heads dished.









A-2115

## For Domestic Water Supply Systems

Tested to 125 air pressure and guaranteed for working pressures not exceeding 75 pounds to the square inch. Heads dished to a radius equal the diameter of the shell. Longitudinal seams double riveted, lap joints.

#### PRICE LIST AND SPECIFICATIONS OF PNEUMATIC PRESSURE TANKS

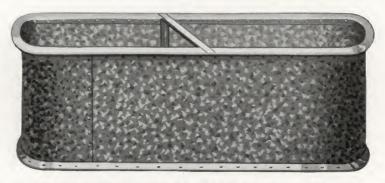
0	Size 7	Гank	Weight	Thie	kness	Regular	List Price
Capacity, Gallons	Diameter, Inches	Length, Feet	Pounds	Shell	Thread	Connections Inches	Black
140	24	6	390	3/16	5/16	1	\$ 60.00
190	24	8	490	3/16	5/16	1	77.00
235	24	10	575	3/16	5/16	1	81.00
220	30	6	505	3/16	5/16	1	74.00
295	30	8	615	3/16	5/16	1	87.00
365	30	10	745	3/16	5/15	1	104.00
440	30	12	870	3/16	5/16	1	120.00
315	36	6	695	1/4	3/8	1	97.00
420	36	8	860	1/4	3/8	1	118.00
525	36	10	1010	1/4	3/8	1	135.00
630	36	12	1165	1/4	3/8	1	156.00
575	42	8	1355	1/4	3/8	11/4	162.00
720	42	10	1610	1/4	3/8	11/4	192.00
865	42	12	1845	1/4	3/8	11/4	221.00
1000	42	14	2080	1/4	3/8	11/4	250.00
1150	42	16	2320	1/4	3/8	$1\frac{1}{4}$ $1\frac{1}{4}$	279.00
1000	48	10	1995	5/16	1/2	11/4	227.00
1130	48	12	2275	5/16	1/2	$1\frac{1}{4}$	260.00
1300	48	14	2545	5/16	1/2	11/4	294.00
.1500	48	16	2805	3/3/3/3/3/3/5/1/1/1/1/1/1/1/1/5/5/5/5/5/	5,6,6,6,6,6,8,8,8,8,8,8,8,8,8,8,2,1,1,1,1,1,1,1,1,1	11/4	327.00
1700	48	18	3125	5/16	1/2	11/4	359.00
1880	48	20	3390	5/16	1/2	11/4	393.00
2260	48	24	3920	5/16	1/2	11/4	459.00

24-inch Horizontal Pneumatic Pressure Tank, tapped for half by 12-inch Water Gauge 30-inch Horizontal Pneumatic Pressure Tank, tapped for half by 14-inch Water Gauge 36-inch Horizontal Pneumatic Pressure Tank, tapped for half by 16-inch Water Gauge 42-inch Horizontal Pneumatic Pressure Tank, tapped for half by 20-inch Water Gauge 48-inch Horizontal Pneumatic Pressure Tank, tapped for half by 24-inch Water Gauge Six-foot Vertical Pneumatic Pressure Tank, tapped for half by 16-inch Water Gauge



## A-2120 ROUND STOCK WATERING AND SMALL STORAGE TANK

No.	Diameter Feet	Height Feet	Capacity Barrels	Approx. Weight, Pounds	Price	No.	Diameter Feet	Height Feet	Capacity Barrels	Approx. Weight, Pounds	Price
1 2	3	$\frac{2}{2}$	3½	75 97	\$ 9.00 11.00	12 13	5	4 5	19 24	193 245	\$21.00 25.50
3	4	21/2	7	112	12.50	14	5	6	28	280	29.00
5	4	3 4	12	130 160	14.00 16.50	15 16	$\frac{5}{5\frac{1}{2}}$	8 8	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	348 390	$\frac{36.00}{43.25}$
$\frac{6}{7}$	4	$\frac{5}{6}$	14 18	$\frac{200}{225}$	$ \begin{array}{c c} 19.00 \\ 22.00 \end{array} $	17 18	6	$\frac{2}{2\frac{1}{2}}$	14 17	170 180	18.50 $20.00$
8	4 5	8 2	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$\frac{277}{135}$	$28.00 \\ 14.50$	19 20	6	3 4	$\frac{20}{27}$	$\frac{200}{255}$	$\frac{21.50}{26.00}$
10 11	5 5	$\frac{21}{2}$	12 14	150 170	16.00 17.50	$\frac{21}{21\frac{1}{2}}$	6	$\frac{\tilde{5}}{2}$	34 19	$\frac{285}{220}$	$\frac{20.00}{30.00}$



## A-2125 ROUND END STOCK WATERING AND STORAGE TANK

	1 2200		0112		2201	777	1111	1110	71112	DIO	ILLIA	r TUI	417
No.	Width, Feet	Height, Feet	Length Feet	Capc'y. Bbls.	Approx. Weight, Lbs.	Price	No.	Width, Feet	Height, Feet	Length Feet	Cape'y. Bbls.	Approx. Weight, Lbs.	Price
101	2	2	4	33/4	70	\$ 9.00	113	3	21/2	8	14	166	\$18.50
102	2	2	5	43/4	86	10.50	114	3	$2\frac{1}{2}$	10	18	210	23.50
103	2	2	6	$5\frac{3}{4}$	103	11.50	115	3	3	10	21	235	26.50
104	2	2	7	$6\frac{1}{2}$	119	13.00	116	4	2	8	15	173	18.50
105	2	2	8	$7\frac{1}{2}$	137	14.25	117	4	2	10	1.9	210	23.00
106	2	2	10	$9\frac{1}{2}$	160	18.00	118	4	2	12	22	255	29.00
107	2	$2\frac{1}{2}$	8	91/2	150	15.00	119	4	2	14	26	300	33.50
L	$2\frac{1}{2}$	2	5	$5\frac{1}{2}$	100	11.00	120	4	2	16	30	372	37.50
$\mathbf{M}$	$2\frac{1}{2}$	2	6	$7\frac{1}{2}$	115	13.00	121	4	21/2	8	17	190	22.00
N	3	2	6	8	130	15.00	122	4	$2\frac{1}{2}$	1.0	24	247	26.50
O	3	2	7	91/2	140	16.00	127	5	2	16	38	412	40.00
108	$2\frac{1}{2}$	2	8	$9\frac{1}{2}$	144	16.00	128	5	21/2	16	47	435	49.00
109	$2\frac{1}{2}$	2	10	12	180	19.00	129	6	2	8	231/2	240	27.50
110	$2\frac{1}{2}$	$2\frac{1}{2}$	8	12	150	18.00	130	6	2	10	$28\frac{1}{2}$	285	30.50
111	3	2	8	111/2	152	17.00	132	6	$2\frac{1}{2}$	8	$28\frac{1}{2}$	255	30.00
112	3	2	10	14	185	19.50	133	6	21/2	10	$35\frac{1}{2}$	300	34.00

The above sizes are shipped set up, ready for use. Always order by number. Prices on special sizes quoted on application.











A-2130

# ECONOMY AUTOMATIC COMBINATION BOILER AND GAS WATER HEATER

A-2130 The Economy Combination Boiler and Gas Water Heater shown above produces more hot water quicker and cheaper than any gas heater on the market without throwing off any gaseous odors.

The sectional view shown above gives a good idea of the free circulation of the water, which means quick heating. The Economy Heater is equipped with a large fire door, making easy access to all parts of the heater and burner.

This heater can be furnished with the following size boilers:

No.	Size		Price
183 ft.	x 12	in	\$24.00
24 ft.	$\times$ 12	in	24.00
30 5 ft.			
40 5 ft.			
52 5 ft.			
66 5 ft.			
82 5 ft.			
100 5 ft.			
120 5 ft.	$\times 24$	in	90.00

Stands, extra.





A-2135

# ECONOMY AUTOMATIC COMBINATION BOILER AND GAS WATER HEATER

A-2135 This Boiler has all the advantages of the Economy Combination Boiler and Gas Water Heater described on previous page. In addition to that, it is controlled by a thermostatic valve which regulates the flow of gas according to the temperature of the water, guaranteeing a continuous supply of hot water at all times without waste of gas.

of gas.

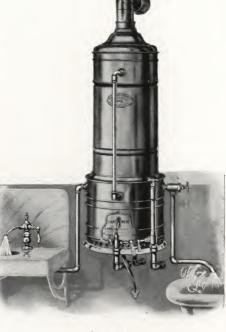
This heater is very desirable for residence use.

Made in the following sizes:

Size	Price
x 12 in	\$40.00
x 12 in	40.00
x 12 in	40.00
x 14 in	48.00
x 16 in	60,00
x 18 in	72.00
x 20 in	80.00
x 22 in	98.00
x 24 in	116.00
	Size  x 12 in

Stands, extra.





A-2140

A-2145

#### **HUMPHREY BATH WATER HEATERS**

**A-2140** Humphrey Bath Water Heaters No. 6 and No. 8 are contact heaters, differing only in size and heating capacity. The water is divided into minute particles and forced into direct contact with the heat, thus utilizing practically every unit of gas.

No. 6 Contact Humphrey Heater, 3 gallons	s per minute capacity.
Price, each	\$29.00

- No. 8 Contact Humphrey Heater, 2½ gallons per minute capacity.

  Price, each.....\$23.50
- **A-2145** Humphrey Bath Water Heater No. 2 is entirely non-contact. The products of combustion of the gas do not come in contact with the water. Besides being the ideal heater for bathing, it has tinned water surfaces, so that the hot water can be used for hot drinks and every domestic purpose.

This heater will heat continuously,  $2\frac{1}{2}$  gallons per minute, as long as the gas and water are turned on.

Price, each ......\$40.00



# LAWSON GAS WATER HEATERS, NOS. 0-3

Steel Jacket—Single Coil

Jacket is polished steel, asbestos lined. Brass jacket furnished if specified. Cast top and base, black japan finish. Copper coil with heavy brass unions. Cast iron deflectors. Cast iron burner (one piece, including mixer). Nickel plated cock for manufactured gas; needle valve for natural gas.

The No. 0, 1 or 1½ is usually used for 24, 30 or 32-gallon range boiler. No. 2 with a 35 or 40-gallon. No. 3 for a 50 or 60-gallon.



These heaters give satisfactory service when connected to range boilers having the capacities specified for them, but it is better to use a large heater rather than a smaller size, for the larger the heater in proportion to size of boiler, the quicker and cheaper the water will be heated, and the difference in cost will be offset by the reduced expense of operation.

No.			Diameter of Tube		—List Steel Jacket	Prices— Brass Jacket
0	71/2	$12\frac{1}{2}$	3/4	22 lbs.	\$ 5.80	\$ 7.75
1	71/2	15	3/4	23 lbs.	6.60	8.75
$1\frac{1}{2}$	71/2	$17\frac{1}{2}$	3/4	25 lbs.	7.90	10.75
2	71/2	20	3/4	27 lbs.	9.20	11.75
3	71/2	23	3/4	33 lbs.	12.50	15.25

The No. 0 furnished only for natural gas.

The No. 11/2 is the smallest size recommended for artificial

When ordering, please state whether for natural or manufactured gas.



A-2160

#### LAWSON GAS WATER HEATERS, NOS. 5-8

Cast Iron Jacket. Single Coil

Construction of the most durable type. Cast iron jacket and top, black japan finish. Copper coil with heavy brass couplings. Cast iron deflectors. Specially constructed, high power, star burner. Heavy brass tee handle cock.

This heater, having cast iron jacket, is an improvement over the standard type with steel jacket, having far greater durability.



Hinged door—half of jacket—permits easy cleaning. Drip pan catches condensation and is a receptacle for match sticks.

No. 5 or No. 6 is usually used for a 24, 30 or 32-gallon range boiler; No. 7 for a 35 or 40-gallon, and No. 8 for a 50 or 60-gallon.

These heaters give satisfactory service when connected to range boilers having the capacities specified for them, but it is better to use a large heater rather than a smaller size, for the larger the heater in proportion to size of boiler, the quicker and cheaper the water will be heated, and the difference in cost will be offset by the reduced expense of operation.

No.			Diameter of Tube	Crated Weight	List Price
5	7	15	3/4	30 lbs.	\$ 7.70
6	7	17	3/4	32 lbs.	8.85
7	7	19	3/4	34 lbs.	10.50
8	7	21	3/4	36 lbs.	12.25

The No. 7 is the smallest size recommended for manufactured gas.

When ordering, please state whether for natural or manufactured gas.





A-2165 Lawson Gas Water Heater No. 18 Cast Iron Jacket Cast Iron Water Section

A-2170 Lawson Gas Water Heaters Nos. 20-22 Double Coil

#### WATER HEATERS

A-2165 Heater has cast iron water section instead of copper coil. The section is cast in one piece, eliminating joints and avoiding possibility of leaking. The disks are staggered and the full surface of the section throughout is exposed directly to the heat. This heater shows extraordinary efficiency.

Cast iron jacket, black japan finish. Specially constructed, high power, star burner. Heavy brass tee handle cock.

Hinged door—half of jacket, permits assy cleaning.

Hinged door-half of jacket-permits easy cleaning.

Drip pan catches condensation and is a receptacle for match sticks.

Ordinarily used for a 30, 32 or 35-gallon range boiler.

No.	Diameter, In.	Height, In.	Crated Weight	List Price
18	71/2	221/2	48 lbs.	\$9.20

A-2170 Construction of the most durable type. Cast iron jacket, top and base, all black japan finish. Specially constructed, high power, star burner. Cast iron deflectors. Heavy brass tee handle cock.

One copper coil is set within the other (both brazed to brass couplings, held rigidly and securely in position by lock nuts) which gives greater heating surface within the same compass and greatly increases the capacity, size for size, over the single coil heaters. The quick action gives hot water practically on the instant.

This heater is selected by those with whom the first consideration is service—best

obtainable.

Hinged door—half of jacket—permits easy cleaning.

Drip pan is cast with base in one piece.

Nos. 20 and 22 are used in the same capacity, usually for a 30, 35 or 40-gallon range boiler with economy in operation favorable to No. 22, being the larger heater.

No.	Diam., In.	Height, In.	Diam. of Tube, In.	Crated Weight	List Price
20	7	20	3/4	40 lbs.	\$14.25
22	7	24	3/4	48 lbs.	16.25

When ordering, please state whether for natural or manufactured gas.



A-2175

# LAWSON GAS WATER HEATER NO. 24 TRIPLE COIL

Construction of the most durable type. Cast iron jacket, top and base, all black Japan finish. Jacket reinforced with removable cast iron liner. Cast iron deflectors. Heavy brass tee handle cock.

The three copper coils are brazed to heavy brass manifolds, tapped for one-inch pipe connections, and coils held rigidly and securely in position by lock nuts. Extra high power star burner, with capacity of 60 to 90 feet of gas per hour.

This heater is built for service where a large quantity of water is required and is adapted for large dwellings, apartments, etc.

Hinged door-half of jacket-permits easy cleaning.

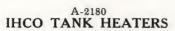
Drip pan is cast with base in one piece.

Ordinarily connected to a 50 or 60-gallon range boiler.

Number	Diameter, In.	Height, In.	Dia. of Tube, In.	Crated Weight	List
24	81/2	28	. 3/4	80 lbs.	\$27.50

When ordering, please state whether for natural or manufactured gas.







NO. 0 IHCO LAUNDRY TANK HEATER

A-2180 Prices, Capacities and Data

No.	Tank Capacity, Gallons	Price	Height From Floor to Top Outlet, Inches		Diameter of Grate, Inches	Size of Smoke Pipe, Inches	Supply Tappings, Inches	*Return Tappings, Inches
1	100 175	\$ 27.00 32.00	32½ 36	$\frac{12\frac{1}{2}}{12\frac{1}{2}}$	10 - 10	5 5	1-11/2	1-11/2
3	250 325	50.00 64.00	$31\frac{3}{8}$ $34\frac{3}{4}$	$15 \\ 15 \\ 15$	$12\frac{1}{2}$	6	1-11/2	$1-1\frac{1}{2}$ $1-1\frac{1}{2}$
5	400 500	76.00 90.00	393/8	163/4	$\frac{12\frac{1}{2}}{15}$	7	$1-1\frac{1}{2}$ $1-1\frac{1}{2}$	1-1½
7 8	600 700	100.00 114.00	$\begin{array}{c c} 43\frac{1}{2} \\ 41 \\ 45\frac{3}{4} \end{array}$	$   \begin{array}{r}     16\frac{3}{4} \\     19\frac{3}{4} \\     19\frac{3}{4}   \end{array} $	15 18 18	7	$\begin{array}{c c} 1-1\frac{1}{2} \\ 1-2 \\ 1-2 \end{array}$	$1-1\frac{1}{2}$ $1-2$ $1-2$

Nos. 1 and 2 are made with ash pit bottoms and stand on legs.

Nos. 2, 4, 6, 8, have a water section above fire-pot.
\*Nos. 3, 4, 5, 6, 7 and 8 have 3 return openings, one on each side and one in the rear; the side openings are plugged unless otherwise specified.

When soft coal is used, always select a heater one size larger than would be

required for hard coal.

A-2185 Price. Capacity and Data

			10-00		oupuo-cj	und Dut	4		
No.	Tank Capacity, Gallons	Price	Diameter of Top, Inches	Total Height, Inches	Outside Diameter of Fire-pot, Inches	Diameter of Grate, Inches	Size Smoke Pipe, Inches	Supply Tapping, Inches	Return Tapping, Inches
[0	100	\$27.00	18	$25\frac{1}{2}$	123/4	10	5	1-11/2	1-11/2

# NATIONAL NO. 80 LAUNDRY STOVE



A-2190 No. 80 National Two-Hole Laundry Stove, with a boiler capacity of 60 gallons. 80 National Two-Hole Price, each .....\$18.00

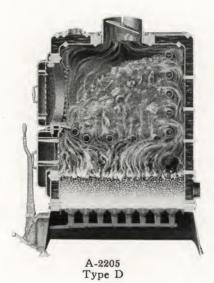
#### NATIONAL TANK HEATERS

A-2200 No. 107 National Tank Heater, with a boiler capacity of 100 gallons. Diameter of grate, inches......10 Size of boiler connections, inches...11/2 List price, each.....\$34.00



A-2200







A-2210 Type A

## KEWANEE GARBAGE BURNERS

A-2205

					1	1	
Factory Number	34	35	36	37	38	39	40
Capacity, Gal. per hour, 50° raise	500	600	800	1000	1200	1500	1800
Capacity, garbage chamber, 1 charge Bu.	2	3	4	5	7	9	12
Height over allInches		56	56	56	56	56	56
Dimensions of floor space required. Inches	29x29	29x35	35x35	35x41	35x47	41x53	41x59
Height to bottom of Garbage Door.Inches	32	32	31	31	31	31	31
Dimensions of Garbage DoorInches	14x16	14x16	16x16	16x16	16x16	16x16	16x16
Dimensions Lower or Coal Grates. Inches	18x18	18x24	24x24	24x30	24x36	30x42	30x48
Size, Flow and Return Flanges, 1 each. In.	2	2	21/2	$2\frac{1}{2}$	21/2	3	3
Diameter of Smoke Pipe Inches		9	10	10	10	12	12
List Price, complete with tools		\$244.00	\$274.00	\$318.00	\$350.00	\$396.00	\$440.00

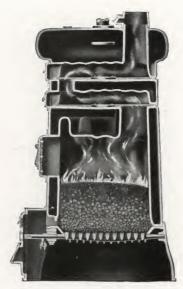
## A-2210

Factory Number	30	31	32
Capacity, Gallons per hour, 50° raise.	200	300	400
Capacity, Garbage Chamber, one charge	1	2	3
Height over allInches		64	64
Diameter of floor space requiredInches	22	25	30
Height to bottom of front garbage doorInches	33	37	37
Dimensions of garbage doorInches	7x8	7x8	7x8
Diameter of coal or lower grates	12	16	20
Size, flow and return flanges, two each	$1\frac{1}{2}$	2	2
Diameter of smoke pipe	6	8	8
List price, complete with tools	\$128.00	\$154.00	\$200.00

One full charge of garbage can be completely destroyed, on an average, in one hour. In large operations we recommend that circulating mains and branches be covered. Best results are obtained when the capacity of water storage tank is 50 per cent greater than the hourly capacity of the garbage burner to which it is attached.







A-2220

## GILT EDGE ROUND STEAM BOILER

The Gilt Edge Round Steam Boiler has a large prime heating surface and long fire travel, which are the most essential features affecting the power and economy of a heating boiler. The direct fire surface is increased by a series of channels extending across the fire and down into the fire pot, also by corrugations which increase the surface and aid com-

The above sectional cut shows the fire travel and how the smoke and heated gases are The above sectional cut shows the fire travel and how the smoke and neated gases are at all times in contact with water, enclosing surfaces until they finally reach the smoke pipe. All Gilt Edge Boilers are equipped with patented anti-clinker door grates which are lever connected and cannot bind. This is the only boiler made with a high ash door extending above the grates. The ash pit door is equipped with a large slicing door so that it is possible to get the poker over the grate without opening the ash door, thus allowing ashes.

to fall into the ash pit and not on the floor.

The Gilt Edge Boiler is easy for the contractor to install, as it is connected with push nipples of cast iron, which are true to one thousandth of an inch, sections being held together by four tie bolts. All sections and boilers twice tested under pressure.

## DIMENSIONS, RATINGS AND PRICE LIST

No. of Boiler	Diameter Grate Inches	Total Height Inches	Height Water Line Inches	Size Supply Inches	Size Return Inches	Diameter Smoke Pipe Inches	Square Feet Direct Radiation	List Price
182-S 183-S 184-S 212-S 213-S 214-S 242-S 243-S 244-S 272-S 273-S 274-S 302-S 303-S 304-S	18 18 18 21 21 21 24 24 24 27 27 27 27 30 30 30	49 55 61 51½ 58 64½ 55 62 69 58 65½ 73 60 68 76	43 49 55 45 51½ 58 48 55 62 50½ 58 65½ 60 68	2-21/2 2-21/2 2-21/2 2-21/2 2-21/2 2-21/2 2-3 2-3 2-3 2-31/2 2-31/2 2-4 2-4	2-2\/2 2-2\/2 2-2\/2 2-2\/2 2-2\/2 2-2\/2 2-3 2-3 2-3\/2	7 7 7 8 8 8 8 9 9 9 10 10 10	325 375 425 450 500 550 575 650 725 750 850 950 1000 1150	\$160 180 195 200 2240 245 275 305 315 350 390 430





A-2230

## GILT EDGE ROUND WATER BOILERS

The Gilt Edge Round Water Boiler has all the desirable features of the Gilt Edge Steam Boiler described on the opposite page, such as heating surface, fire travel and anti-clinker grates, the only difference between the water and steam boiler being the dome section.

All Gilt Edge Boilers are conservatively rated.

## DIMENSIONS, RATINGS AND PRICE LIST



No. of Boiler	Diameter Grate Inches	Total Height Inches	Size Supply Inches	Size Return Inches	Diameter Smoke Pipe Inches	Square Feet Direct Radiation	List Price
182-W 183-W 184-W	18 18 18	45 51 57	$\begin{array}{c} 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \end{array}$	$2-2\frac{1}{2}$ $2-2\frac{1}{2}$ $2-2\frac{1}{2}$	7 7 7	550 625 675	\$145 165 180
212-W 213-W 214-W	21 21 21	$46\frac{1}{2}$ $53$ $59\frac{1}{2}$	$\begin{array}{c} 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \end{array}$ $\begin{array}{c} 2 - 2\frac{1}{2} \\ 2 - 2\frac{1}{2} \end{array}$	$2-2\frac{1}{2}$ $2-2\frac{1}{2}$ $2-2\frac{1}{2}$	. 8 8 8	725 825 900	$185 \\ 205 \\ 225$
242-W 243-W 244-W	24 24 24	49 56 63	2-3 2-3 2-3	2-3 2-3 2-3	9 9 9	950 1050 1150	$230 \\ 260 \\ 290$
272-W 273-W 274-W	27 27 27	51 58½ 66	$2-3\frac{1}{2}$ $2-3\frac{1}{2}$ $2-3\frac{1}{2}$	$2-3\frac{1}{2}$ $2-3\frac{1}{2}$ $2-3\frac{1}{2}$	10 10 10	1225 1400 1550	295 330 360
302-W 303-W 304-W	30 30 30	52½ 60½ 68½	2-4 2-4 2-4	2-4 2-4 2-4	11 11 11	1650 1900 2100	370 410 450



## GILT EDGE SQUARE SECTIONAL BOILERS

The Gilt Edge Series of Square Sectional Boilers are properly proportioned and the design is such that there are no waste surfaces. This boiler is a thoroughly high grade boiler, conservatively rated, with slip nipple connections and short tie bolts, making it easy to install. Separate cleanouts to each flue are located in the front of the boiler. The Water Boiler being the same in design as the Steam Boiler shown above.

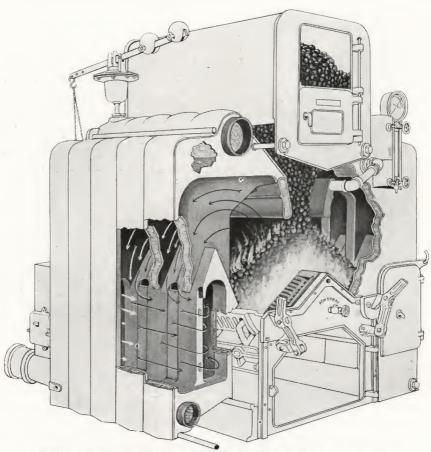
## DIMENSIONS, RATINGS AND PRICE LIST

A-2240	For	Steam	

					1 01 010	· CLILI			
No. of Boiler	Grate Area Square Feet	Total Width of Boiler in Inches	Total Height of Boiler in Inches	Height Water Line in Inches	Size Supply Inches	Size Return Inches	Diameter Smoke Pipe in Inches	Ratings Square Feet	List Price Complete
235.S	4.10	36	57	47	$2.3\frac{1}{2}$	2.31/2	9	800	\$340
236.S	5.10	36	. 57	47	$2.3\frac{1}{2}$	2.31/2	9	1000	
237.S	6.10	36	57	47	$3.3\frac{1}{2}$	2.31/2	9	1200	400
238.S	7.10	36	57	47	$3.3\frac{1}{2}$	$2.3\frac{1}{2}$	9		460
315.S	6.32	43	68	57	2.4			1400	520
316.S	7.84	43	68	57		$\frac{2.31}{2}$	12	1300	\$490
317.S	9.36	43	68	57	2.4	$2.3\frac{1}{2}$	12	1625	585
318.S	10.88	43	68	57	3.4	$2.3\frac{1}{2}$	12	1950	680
385.S					3.4	$2.3\frac{1}{2}$	12	2275	775
	9.38	50	70	58	$2.4\frac{1}{2}$	2.4	14	2100	\$ 730
386.S	11.58	50	70	.58	$2.4\frac{1}{2}$	2.4	14	2625	845
387.S	13.78	50	70	58	$3.4\frac{1}{2}$	2.4	14	3150	960
388.S	15.98	50	70	58	$3.4\frac{1}{2}$	2.4	14	3675	1075
389.S	18.18	50	70	58	$4.4\frac{1}{2}$	2.4	14	4200	1190
445.S	10.22	57	75	62	2.5	2.4	16	2500	
446.S	12.82	57	75	62	$\frac{2.5}{2.5}$	$\frac{2.1}{2.4}$	16		\$ 815
447.S	15.42	57	75	62	3.5	$\frac{2.4}{2.4}$		3125	950
448.S	18.02	57	75	62	3.5	2.4	16	3750	1085
449.S	20.62	57	75	62	4.5	$\frac{2.4}{2.4}$	16	4375	1220
4410.S	-23.22	57	75	62	4.5		16	5000	1360
			10	02	4.0	2.4	16	5625	1495

#### For Hot Water

			r or	not wate	Г			
No. of Boiler	Grate Area Square Feet	Total Width of Boiler in Inches	Total Height of Boiler in Inches	Size Supply Inches	Size Return Inches	Diameter Smoke Pipe in Inches	Rating Square Feet	List Price Complete
235.W 236.W	4.10	36	53	$2.3\frac{1}{2}$	$2.3\frac{1}{2}$	9	1300	\$320
237.W	5.10	36	53	$2.3\frac{1}{2}$	$2.3\frac{1}{2}$	9	1625	375
238.W	6.10	36	53	$3.3\frac{1}{2}$	$3.3\frac{1}{2}$	9	1950	435
	7.10	36	53	$3.3\frac{1}{2}$	$3.3\frac{1}{2}$	9	2275	490
315.W	6.32	. 43	62	2.4	2.4	12	2100	\$465
316.W	7.84	43	62	2.4	2.4	12	2600	
317.W	9.36	43	62	3.4	3.4	12	3100	555
318.W	10.88	43	62	3.4	3.4	12	3600	645
385.W	9.38	50	64	2.41/2	2.41/2			735
386.W	11.58	50	64	$2.4\frac{1}{2}$	$2.4\frac{72}{2.4\frac{1}{2}}$	14	3350	\$ 700
387.W	13.78	50	64	$3.4\frac{1}{2}$	$\frac{2.472}{3.41/2}$	14	4200	810
388.W	15.98	50	64	$3.4\frac{1}{2}$	$3.4\frac{7}{2}$ $3.4\frac{1}{2}$	14	5050	920
389.W	18.18	50	64	$4.4\frac{1}{2}$	4.41/5	14	5900	1030
445.W	10.22	57			, ,	14	6750	1140
446.W	12.82	57	69 69	2.5	2.5	16	4000	\$ 780
447.W	15.42	57	69	2.5	2.5	16	5000	910
448.W	18.02	57		3.5	3.5	16	6000	1040
449.W	20.62	57	69	3.5	3.5	16	7000	1170
4410.W	23.22	57	69	4.5	4.5	16	8000	1300
	20.22	01	69	4.5	4.5	16	9000	1430



## NEWPORT ADJUSTABLE MAGAZINE FEED BOILER

The Newport Adjustable Magazine Feed Boiler, a sectional view of which is shown above, is designed particularly for homes and apartment buildings where maximum heating results must be obtained with a minimum of attention and expense.

Its ease of operation, its simple, staunch construction, its unusual effective and economical heating qualities for steam, hot water and vapor systems, recommend its use in modern home construction.

The Newport Boiler is manufactured from a special grade of cast iron and there

are no steel or wrought iron tubes to burn or rust out.

One of the most desirable features of the Newport Adjustable Magazine Feed Boiler is the fact that while operating it requires attention only at long intervals. These long intervals between the firing periods are accomplished by the extra large capacity of the coal magazine, which is much larger than on any other boiler of this type. It also has a double door which enables one to put in more coal than with a single door. Another important, exclusive feature of the Newport Boiler is the adjustable, water cooled magazine throat. The Newport Boiler burns smaller and cheaper sizes of hard coal and coke. This adjustable water cooled throat permits the burning of larger sizes of coal and coke than is possible with any other make of magazine feed boiler. Another economy in fuel is obtained in the large size boilers, by using one side of the grate only in mild weather.

The flue travel of the Newport Boiler is also adjustable. This adjustment is accomplished by the removal of flue plates, located in the flues, which can be removed while

the fire is on.

The sloping grate of the Newport Boiler is self-cleansing. This makes the shifting of ashes unnecessary. The direct dampers on the Newport Boiler are of great assistance in drawing up the fire quickly and cleaning flues, being located for easy operation from the front of the boiler.

Another new and exclusive feature which is found on the Newport Boiler is the ash pit spray. This water spray, by the simple turn of a valve, eliminates the unsani-

tary and annoying dust in removing ashes.





# NEWPORT ADJUSTABLE MAGAZINE FEED BOILERS DOUBLE GRATE TYPE STEAM

No.	12 Hour Ratings	Length Total	*Outlets	**Inlets	Smoke Pipe	†Chimn	ey Flue	\$ 17 M
	Sq. Ft.	Inches	Inches	Inches	Inches	Area Inches	Height Feet	List Price Complete
S-55 S-66	1100 1350	51 571/4	2-4 2-4	2-2 2-2	11 11	144 144	40 45	\$ 610.00 700.00
S-77 S-88	1600 1850	$63\frac{1}{2}$ $69\frac{3}{4}$	2-4 2-4	$\begin{array}{c} 2-2 \\ 2-2 \frac{1}{2} \\ 2-2 \frac{1}{2} \end{array}$	12 12	144 192	50 55	800.00 910.00
S-99	2100	76	2-4	2-21/2	12	192	60	1000.00

Height of water line, 401/2 in. Width over all, 62 in.

#### WATER

No.	12 Hour Ratings	Length Total	*Outlets	**Inlets	Smoke Pipe	†Chimn	ey Flue	T' + D '
110.	Sq. Ft.	Inches	Inches	Inches	Inches	Area Inches	Height Feet	List Price Complete
W-55	1825	51	2-4	2-4	11	144	40	\$570.00
W-66	2225	$57\frac{1}{4}$	2-4	2-4	11	144	45	680.00
W-77	2650	$63\frac{1}{2}$	2-4	2-4	12	144	50	790.00
W-88	3050	693/4	2-4	2-4	12	192	55	900.00
W-99	3450	76	2-4	2-4	12	192	60	990.00

Width over all, 62 in.

\*Do not bush the flow-pipe outlets on steam boilers, but connect full size to main or header. The outlets on the Double Grate Type Boilers (steam or water) must be cross-connected with header.

\*\*All Double Grate Type Boilers are furnished with return header. Size of inlets

can be changed by fitter changing tees on return header.

†Above chimney flue sizes are based on sea level conditions—add 2% in area for each 500 feet elevation above sea level. Heights are above boiler foundation.



# NEWPORT ADJUSTABLE MAGAZINE FEED BOILERS SINGLE GRATE TYPE STEAM

No.	12 Hour Ratings	Length Total	*Outlets	**Inlets	Smoke Pipe	†Chimn	ey Flue	
	Sq. Ft.	Inches	Inches	Inches	Inches	Area Inches	Height Feet	List Price Complete
S-5 S-6 S-7 S-8	600 725 850 975	$51$ $57\frac{1}{4}$ $63\frac{1}{2}$ $69\frac{3}{4}$	1-4 1-4 1-4 1-4	1-4 1-4 1-4 1-4	9 9 10 10	96 96 96 144	35 40 45 50	\$357.00 396.00 435.00 510.00

Height of water line, 401/2 in. Width over all, 351/2 in.

### WATER

				******				
No. 12 Hour Ratings		*Outlets	**Inlets	Smoke Pipe	†Chimn			
	Sq. Ft.	Inches	Inches	Inches	Inches	Area Inches	Height Feet	List Price Complete
W-5 W-6 W-7 W-8	1000 1200 1400 1600	51 57 <sup>1</sup> / <sub>4</sub> 63 <sup>1</sup> / <sub>2</sub> 69 <sup>3</sup> / <sub>4</sub>	1-4 1-4 1-4 1-4	1-4 1-4 1-4 1-4	9 9 10 10	96 96 96 144	35 40 45 50	\$347.00 386.00 425.00 500.00

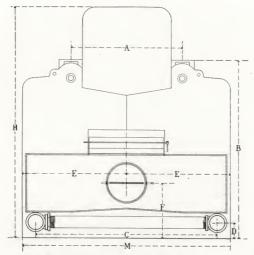
Width over all, 351/2 in.

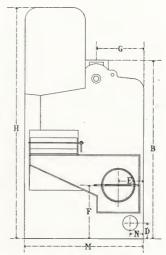
\*Do not bush the flow-pipe outlets on steam boilers, but connect full size to main or header. The outlets on the Double Grate Type Boilers (Steam or Water) must be

or header. The outlets on the Double Grate Type Boilers (Steam or water) must be cross-connected with header.

\*\*All Double Grate Type Boilers are furnished with return header. Size of inlets can be changed by fitter changing tees on return header.

†Above chimney flue sizes are based on sea level conditions—add 2% in area for each 500 feet elevation above sea level. Heights are above boiler foundation.

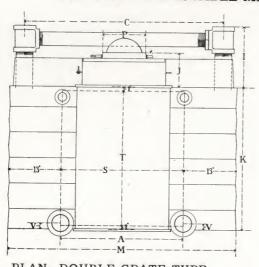


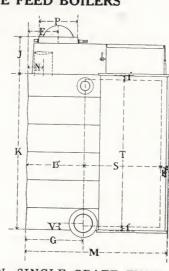


## REAR—DOUBLE GRATE TYPE

## REAR-SINGLE GRATE TYPE

# MEASUREMENTS FOR NEWPORT ADJUSTABLE MAGAZINE FEED BOILERS





## PLAN—DOUBLE GRATE TYPE

## PLAN—SINGLE GRATE TYPE

$ \begin{array}{c} 6 \\ 9 \\ 35 \frac{1}{4} \\ 32 \\ 33 \frac{1}{4} \\ 17 \frac{1}{2} \end{array} $	$7$ $10$ $41\frac{1}{2}$ $32$ $39\frac{1}{2}$ $17\frac{1}{2}$	$   \begin{array}{c}     8 \\     10 \\     473/4 \\     32 \\     453/4 \\     17\frac{1}{2}   \end{array} $	55 11 29 56 27 30	66 11 35 <sup>1</sup> / <sub>4</sub> 56 33 <sup>1</sup> / <sub>4</sub> 30	$77$ $12$ $41\frac{1}{2}$ $56$ $39\frac{1}{2}$ $30$	88 $12$ $473/4$ $56$ $453/4$ $30$	99 12 54 56 52 30
1	1	11/4	11/4	11/4	11/4	$1\frac{1}{2}$	11/2
	$32$ $33\frac{1}{4}$ $17\frac{1}{2}$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$









A-2270

A-2275

A-2280

A-2285

## SINGLE-COLUMN AND TWO-COLUMN PLAIN AND ORNAMENTAL RADIATORS

A-2270 and A-2275

A-2280 and A-2285

	*		Heating S	urface—Se	quare feet	
No. of ec.	Lgth. 2½ in.per Sec.	38-inch Height 3 sq. ft. per Sec.	32-inch Height 2½ sq. ft. per Sec.	26-inch Height 2 sq. ft. per Sec.	23-inch Height 1 % sq. ft. per Sec.	20-inch Height 1½ sq. ft. per Sec.
2	5	6	5	4	3 ½ 5	3
3	71/2	9	71/2	6	5	41/2
4	10	12	10	8	6 <sup>2</sup> / <sub>3</sub> 8 <sup>1</sup> / <sub>3</sub>	6
5	121/2	15	121/2	10	8 1/3	7½ 9
$\frac{2}{3}$ $\frac{4}{4}$ $\frac{5}{6}$ $\frac{6}{7}$ $\frac{8}{8}$	15	$\frac{18}{21}$	15 17½	12 14	10 11 ½	101/2
7	$\frac{17\frac{1}{2}}{20}$	$\frac{21}{24}$	$\frac{17/2}{20}$	16	13 1/3	12
9	221/2	$\frac{24}{27}$	221/2	18	15	131/2
10	25	30	25	20	16 2/3	15
11	271/2	33	271/2	22	18 1/3	161/2
12	30	36	30	24	20	18
13	321/2	39	321/2	26	21 2/3	$19\frac{1}{2}$
14	35	42	35	28	23 1/3	21
15	371/2	45	371/2	30	25	221/2
16	40	48	40	32	$26\frac{2}{3}$	24
17	421/2	51	$42\frac{1}{2}$	34	28 1/3	$25\frac{1}{2}$
18	45	54	45	36	30	27
19	471/2	57	471/2	38	31 2/3	281/2
20	50	60	50	40	33 1/3	$\frac{30}{31\frac{1}{2}}$
21	521/2	63	$52\frac{1}{2}$	42	35	33
22	55	66	55	44	36 <sup>2</sup> / <sub>3</sub> 38 <sup>1</sup> / <sub>3</sub>	341/2
23	571/2	69 72	$\frac{57\frac{1}{2}}{60}$	48	40	36
24	60	75	621/2	50	41 2/3	371/2
$\frac{25}{26}$	621/2	78	65	52	43 1/3	39
27	671/2	81	671/2	54	45	401/2
28	70	84	70	56	46 2/3	42
29	721/2		721/2	58	48 1/3	431/2
30	75	90	75	60	50	45
31	771/2	93	771/2	62	51 2/3	461/2
32	80	96	80	64	53 1/3	48

31 | 77½ | 93 | 77½ | 02 | 31,73 | 40,72 |

These Radiators for Steam and Water are tapped 2 inches and bushed as per list on page 303.

Distance from floor to center of either supply or return tapping is 4½ inches for water, 4 inches for one-pipe steam, 4½ inches for supply, and 4 inches for return, for two-pipe steam.

\*In estimating length of this Radiator, allow ½ inch for each bushing.

	sk	1	Heating S	Surface-	-Square	Feet	
No. of Sec.	Lgth. 2½in. PrSec	45-in. Height 5 sq. ft. per Sec.	4 sq. ft.	32-in. Height 3½sqft. per Sec.	23/sqft.	21/3sqft.	2 sq. ft.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	5 71/2 10 121/2 15 171/2 20 221/2 25 271/2 30 321/2 35 371/2 40 421/2	10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85	8 12 16 20 24 28 32 36 40 44 48 52 56 60 64 68	6 2/8 10 13 1/8 16 2/8 20 23 1/8 26 2/8 33 1/8 36 2/8 40 43 1/8 46 2/8 50 53 1/8 56 2/8	5 1/8 8 10 2/8 13 1/8 16 18 2/8 21 1/8 24 2/8 29 1/8 32 34 2/8 37 1/8 40 42 2/8 45 1/8	4 % 7 7 9 1 4 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 1 1 2 8 1 2 1 2	4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32	45 47½ 50 52½ 55 57½ 60 62½ 67 70 72½	90 95 100 105 110 115 120 125 130 135 140 145 150	72 76 80 84 88 92 96 100 104 108 112 116 120 124 128	60 63 ½ 66 ½ 70 ½ 80 83 ½ 86 ½ 90 93 ½ 96 ½ 100 ½ 100 ½ 100 ½	48 50 3/8 50 3/8 556 58 3/8 61 1/8 64 66 3/8 72 74 3/8 77 1/8 82 3/8	42 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	36 38 40 42 44 46 48 50 52 54 56 58 60 62 64

These Radiators for Steam and Water are apped 2 inches and bushed as per list on page 103.

Distance from floor to center of either supply or return tapping is 4½ inches for water, 4 inches for one-pipe steam, 4½ inches for supply, and 4 inches for return, for two-pipe steam. \*In estimating length of this Radiator, allow inch for each bushing.

On all Radiators with legs which are either higher or lower than the leg height as indicated in catalogue, there will be an extra charge of 53 cents per leg section.







A-2300

# THREE-COLUMN PLAIN AND ORNAMENTAL RADIATORS

## A-2290 and A-2300

No.	*	Heating Surface—Square Feet						
of Sec.	Lgth. 2½in. PrSec	45-in. Height 6 sq. ft. per Sec.	o sq. It.	4 1/280ft.	26-in. Height 3¾ sqft. per Sec.	2 an f4	91/ 01	
18 19 20 21 22 23 24 25 26 27 28 30 31	5 7 ½ 1 12 ½ 1 17 ½ 20 1 17 ½ 20 25 ½ 30 32 ½ 37 ½ 45 50 ½ 555 57 ½ 682 ½ 557 ½ 682 ½ 577 ½ 577 ½ 682 ½ 577 ½ 577 ½ 577 ½ 682 ½ 577	12 18 24 30 36 42 48 54 60 66 72 78 84 90 102 114 1120 1126 1132 1138 1144 150 156 162 168 174 180 186	10 15 20 25 30 45 50 60 65 70 75 80 85 100 95 1105 1115 1125 1130 1135 1140 145 155	9 13 ½ 18 22 ½ 27 36 40 ½ 45 49 ½ 54 58 ½ 67 ½ 72 76 ½ 99 ¼ 99 ¼ 108 108 108 112 ½ 112 ½ 112 ½ 126 130 ½	7 ½ 11 ¼ 15 18 ¾ 22 ½ 36 ¼ 36 ¾ 37 ½ 41 ¼ 45 48 ¾ 45 56 ¼ 67 1½ 77 5 78 ¾ 86 ¼ 97 1½ 105 108 ¾ 4112 ½ 116 ¼ 112 ½	6 9 12 15 18 21 24 27 30 33 36 39 45 48 45 57 60 63 66 69 72 75 81 84 87	4 ½ 4 ½ 4 ½ 4 ½ 4 ½ 4 ½ 4 ½ 4 ½ 4 ½ 4 ½	

Distance from floor to center of either supply or return tapping is 4½ inches for water, 4 inches for one-pipe steam, 4½ inches for supply, and 4 inches for return, for two-pipe steam.

\*In estimating length of this Radiator, allow inch for each bushing.

# TAPPING LIST OF RADIATORS

All Radiators are Tapped for 2-inch Pipe and Bushed as Per List Below Unless Otherwise Specified.

## STEAM

## One-Pipe System

1 - 25 500111	
Radiators up to 25 ft	in_
TIDOVE SO II HOT eveneding co to are	
2100VC 00 IL. HOT exceeding 100 ft 412	
Above 100 square feet	

## STEAM

## Two-Pipe System

Above 48 ft., not exceeding 96	
sq. ft	in

## HOT WATER

## Tapped for Supply and Return

70		II-5 and rectuill	
Radiato	rs 40	ft. and under1	
Above 7	2 sg.	ft	1II.
A 11	- 1.		111

All openings of Direct Radiators have right hand threads.

All air valve tappings of Direct Radiators are regularly made 1/8 inch pipe-thread. Can be tapped 1/4 inch pipethread if so ordered.

In estimating length of Radiator, allow 1/2 inch for each bushing.

On all Radiators with legs which are either higher or lower than the leg height as indicated in catalogue, there will be an extra charge of 53 cents per leg section.



# FOUR-COLUMN PLAIN RADIATORS

	*	Heating Surface—Square Feet							
No. of Sec.	Lgth.	45-in. Height	38-in. Height	32-in. Height	26-in. Height	22-in. Height	18-in. Height		
	rrsec	10sq.ft. per Sec.	8 sq. ft. per Sec.	6½sqft. per Sec.	5 sq. ft. per Sec.	4 sq. ft. per Sec.	3 sq. ft. per Sec.		
2	6	20	16	13	10	8	6		
$\frac{2}{3}$	9	30	24	191/2	15	12	9		
4	12	40	32	26	20	16	12		
5	15	50	40	321/2	25	20	15		
6	18	60	48	39	30	24	18		
6	21	70	56	451/2	35	28	21		
8	24	80	64	52	40	32	24		
9	27	90	72	581/2	45	36	27		
10	30	100	80	65	50	40	30		
11	33	110	88	711/2	55	44	33		
12	36	120	96	78	60	48	36		
13	39	130	104	841/2	65	52	39		
14	42	140	112	91	70	56	42		
15	45	150	120	971/2	75	60	45		
16	48	160	128	104	80	64	48		
17	51	170	136	1101/2	85	68	51		
18	54	180	144	117	90	72	54		
19	57	190	152	1231/2	95	76	57		
20	60	200	160	130	100	80	60		
21	63	210	168	1361/2	105	84	63		
22	66	220	176	143	110	88	66		
23	69	230	184	1491/2	115	92	69		
24	72	240	192	156	120	96	72		
25	75	250	200	1621/2	125	100	75		
26	78	260	208	169	130	104	78		
27	81	270	216	1751/2	135	108	81		
28	84	280	224	182	140	112	84		
29	87	290	232	1881/2	145	116	87		
30	90	300	240	195	150	120	90		
31	93	310	248	2011/2	155	124	93		
32	96	320	256	208	160	128	96		

These Radiators for Steam and Water are tapped 2 inches and bushed as per list on page 303.

Distance from floor to center of either supply or return tapping is 4½ inches for water, 4½ inches for one-pipe steam, 4½ inches for supply, and 4½ inches for return, for two-pipe steam, 4In estimating length of this Radiator, allow ½ inch for each bushing.



WINDOW RADIATORS

		Heating Surface—Square Feet							
No. of Sec.	*Length 3-inches Per Sec.	20-inch Height 5 sq. ft. per Sec.	18-inch Height 4 1/3 sq. ft. per Sec.	16-inch Height 3¾ sq. ft. per Sec.	14-inch Height 3½ sq. ft per Sec.				
2	6	10	8 3/3	71/2	61/2				
3	9	15	13	111/4	934				
4	12	20	17 1/3	15	13				
5	15	25	21 3/3	183/4	161/4				
6	18	30	26	221/2	191/2				
2 3 4 5 6 7	21	35	30 1/3	2614	223/4				
8	24	40	34 2/3	30	26				
9	27	45	39	333/4	291/4				
10	30	50	43 1/3	371/2	$32\frac{1}{2}$				
11	33	55	47 2/3	411/4	3534				
12	36	60	52	45	39				
13	39	65	56 1/3	4834	421/4				
14	42	70	60 3/3	521/2	451/2				
15	45	75	65	561/4	4834				
16	48	80	69 1/3	60	52				
17	51	85	73 2/3	6334	5514				
18 19	54 57	90 95	78 82 1/3	671/2 711/4	58½ 61¾				
20	60	100	86 2/3	75	65				
21	63	105	91	78%	681/4				
22	66	110	95 1/8	821/2	711/2				
23	69	115	99 2/3	8614	7434				
$\frac{1}{24}$	72	120	104	90	78				
25	75	125	108 1/3	933/4	811/4				
26	78	130	112 2/3	971/2	841/2				
27	81	135	117	1011/4	873/4				
28	84	140	121 1/3	105	91				
29	87	145	125 %	10834	941/4				
30	90	150	130	1121/2	971/2				
31	93	155	134 1/3	11614	10034				
32	96	160	138 3/3	120	104				

These Radiators for Steam and Water are tapped 2 inches and bushed as per list on page . 303.

\*In estimating length of this Radiator, allow 1/2 inch for each bushing.

Distance from floor to center of either supply or return tapping is 3 inches for both steam and water. Distance between upper and lower tapping is: in the 20-inch height, 15 16 inches; 18inch height,  $13\frac{1}{16}$  inches; 16-inch height,  $11\frac{1}{16}$ inches; 14-inch height, 9 16 inches.

On all Radiators with legs which are either higher or lower than the leg height as indicated in catalogue there will be an extra charge of 53 cents per leg section.



A-2315



A-2320

## **DINING-ROOM RADIATORS**

Made in Steam and Water. 3-Column. 38-inch only.

No.	Length Inches	Heating Surface Sq. Feet	No.	Length Inches	Heating Surface Sq. Feet
2 3 4 5	$37\frac{1}{2}$ $42\frac{1}{2}$ $47\frac{1}{2}$ $52\frac{1}{2}$	53 63 73 83	6 7 8	$57\frac{1}{2}$ $62\frac{1}{2}$ $67\frac{1}{2}$	93 103 113

Doors are stenciled "R" for Right; "L" for Left for correct assembling.

TAPPINGS—2 inches and bushed as per list on page 315.

MEASUREMENTS—Oven has two shelves 26½ inches long, 12½ inches wide, with 7 inches space between.

The outside width of oven is 14 inches, and this fact should be borne in mind by fitters when arranging for connections, so that distance from center of tapping to wall shall not be less than 9 inches to make clearance from wall 2 inches.

Add 1/2 inch to length for each bushing.

Ovens extra to regular price of Radiator, \$35.00.

## **DIRECT-INDIRECT RADIATORS**

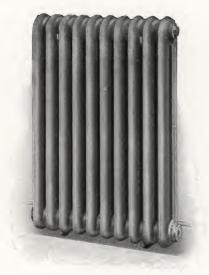
Plain and Ornamental.

## Steam and Water

This radiator is especially adapted for use in school rooms, doing away with smoke and soot, and insures pure fresh air at all times, and prevents all parched air, which so commonly causes sleepiness, headaches, irritated throats and tuberculosis.

For sizes of radiators, see pages 314 and 315, two and three-column radiators.





# PLAIN AND ORNAMENTAL DIRECT RADIATORS ON BRACKETS

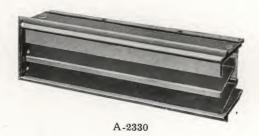
A-2325 Orders which call for "Radiators without legs," to be used in connection with brackets, will be understood by plant to mean radiators with the regular end legs, but with the feet cut off, and will have the regular outside tapping into which the bushing can be screwed, and will have the regular air vent.

The same data as regards heating surface, nipple connection and tapping, applies to these patterns as to radiators having feet.

A-2325

A-2330 Wall Box made in one size only (standard size) to conform with brick measure  $5x17\frac{1}{2}$  inches. Brass wire screen.

Price, each ......\$2.80



A-2335

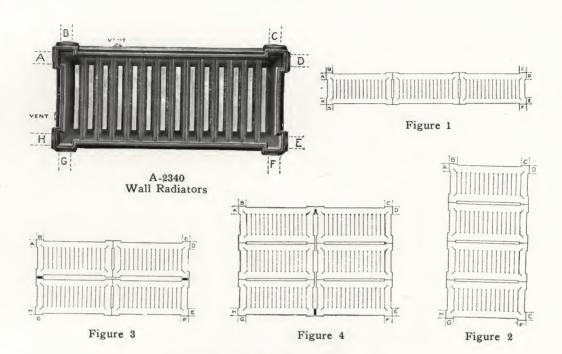
#### **BOX BASE**

Showing Damper Open Taking Air from Outside A-2335 This base can be furnished with either an opening and damper in the back (as shown in above cut) or in the floor under the radiator, as may be desired.

These bases and corresponding front and back plates are regularly made for 5 to 12-section two and three-column radiators.

#### PRICES

	on Radiator\$ 5,00	
	on Radiator 6.00	
Base for 7-Section	on Radiator	
	on Radiator 8.00	
	on Radiator 9.00	
	on Radiator 10.00	
Base for 11-Section	on Radiator	
Base for 12-Section	on Radiator	



## WALL AND CEILING RADIATORS FOR EITHER STEAM OR WATER

A-2340 With four illustrations showing different methods of assembling sections.

Wall radiation can be tapped as desired, to accommodate locations. Made in two sizes:

9 feet per section.	List, per foot\$0	0.38
7 feet per section.	List, per foot	.38

#### MEASUREMENTS

- 9 ft. sections, 295/8 inches long, 133/4 inches wide, 27/8 inches thick
- 7 ft. sections,  $22\frac{7}{16}$  inches long,  $13\frac{3}{4}$  inches wide,  $2\frac{7}{8}$  inches thick

When more than one section constitutes a radiator, the sections are connected with right and left hand internal nipples. On the inside of these right and left hand internal nipples are cast two heavy projecting lugs, so that an ordinary piece of 1½-inch bar iron, flattened at one end, length of nipple, can be inserted to any desired point in the radiator, and by applying wrench to bar, the nipple can be screwed or unscrewed and one or more sections can be added or taken out, independently of all others in the stack.

In ordering, please state arrangement, furnishing sketch if possible, showing exactly what is desired, or using figure numbers as per illustrations given above



A-2350

# ARCO WAND VACUUM CLEANERS

The Arco Wand Vacuum Cleaners illustrated in this section of our catalog are intended for use in homes, apartment buildings, schools, churches, etc. They can easily be installed in old buildings as well as new. The cleaner itself is placed in the basement and is electrically operated and controlled. All that can be seen in the living room or hallway is an inlet coupling with drop-lock cover, which is usually installed in baseboard and is made of finished brass.

**A-2350** No. 351 Arco Wand Vacuum Cleaner, suitable for cleaning larger residences, apartments, etc., equipped with ¾-horsepower electric motor.

Price, including Equipment No. 1, as shown on page 321, Figure A-2370 ......\$240.00

#### DIMENSIONS

Length, 48 inches; width, 18 inches; height, 52 inches.

#### A-2360

## ARCO WAND VACUUM CLEANER

A-2360 No. 341 Arco Wand Vacuum Cleaner, suitable for cleaning cottages, houses, small apartments, etc., equipped with ½-horsepower electric motor. Price, including Equipment No.

1, as shown on page 321, Figure A-2370 ......\$150.00

#### DIMENSIONS

Length, 36 inches; width, 21 inches; height, 41 inches.





A-2365

## ARCO WAND VACUUM CLEANER

**A-2365** No. 34 Arco Wand Vacuum Cleaner. This machine is designed for localities where electricity is not available, and is suitably arranged to be driven from line shaft or gasoline engine. It is as well made and durable as other machines.

Price, including Equipment No. 1, as shown at bottom of page......\$115.00

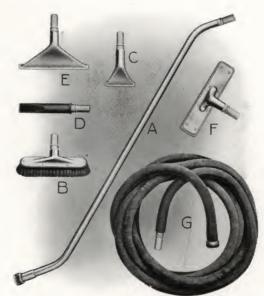
#### DIMENSIONS

Length, 29 inches; width, 20 inches; height, 41 inches.

## A-2370 EQUIPMENT No. 1

A-2350, A-2360 and A-2365 Arco Wand Vacuum Cleaners are regularly furnished with this equipment, which has positive, quick acting couplings and consists of the following:

- 1 Wand (handle) with swivel joint.
- 1 Tuft Cleaner.
- 1 4-inch Renovator.
- 1 10-inch Renovator.
- 1 12-inch Felted Sweeper
- 1 Duster.
- 1 35-foot length of 1-inch Hose and Coupling.



A-2370
Equipment No. 1 for use with Arco Wand
Vacuum Cleaners



# TOOL SECTION

Recognizing the fact that good tools are necessary for good workmanship, we have endeavored in the following section of our catalog, to illustrate only tools that have proven satisfactory through years of experience.

It is impossible, in this catalog, to illustrate all the tools that are manufactured to lighten the labors of mechanics engaged in the plumbing and heating trades. We, therefore, feel obliged to acknowledged that there are tools, not illustrated in this section, that are worthy of consideration by the purchaser. Our reasons for not showing them are only our lack of knowledge of them and lack of space to properly illustrate them.

However, we are ready at all times to supply our customers with any tools that they may desire. Tools that we do not carry in stock we will buy on order for our trade.









A-2500

A-2505

## "TOLEDO" ADJUSTABLE THREADING DEVICES

#### EXTRA DIES FOR No. 1 TOLEDO DEVICE

			pieces\$	
$1\frac{1}{4}$	inch, per se	et of four	pieces	2.50
$1\frac{1}{2}$	inch, per se	et of four	pieces	2.50
2	inch, per se	et of four	pieces	2.50



A-2510



A-2515



A-2520

## "TOLEDO" ADJUSTABLE THREADING DEVICES

- **A-2520** No. 10 device threads pipe from 1 to 2 inches, inclusive. Complete with right hand dies and handles. List price, each.......... 28.00





A-2525

"Beaver" Cross Bar Die Stock No. 210



A-2530 "Beaverette" No. 6

## "BEAVER" ADJUSTABLE DIE STOCKS

A-2525 "Beaver" Cross Bar Die Stock No. 210 threads from 1/2-inch
to 1/4-inch pipe. List, each\$20.00
Extra dies, ½x¾ and 1x1¼ double ended, right or left. List 5.00
Extra dies, $\frac{1}{4}x\frac{3}{8}$ and $\frac{1}{2}x\frac{3}{4}$ double ended, right or left. List 5.00
Extra dies, ½x¾ single ended, right or left. List
Extra dies, 1x1¼ single ended, right or left. List
Extra dies, $\frac{1}{4}$ x $\frac{3}{8}$ single ended, right or left. List
Stock is regularly furnished with double ended reversible dies.
<b>A-2530</b> No. 6 "Beaverette" Die Stock, ¼ to ¾-inch. List\$15.00
List, extra dies, right or left, as ordered $(\frac{1}{8})$ , $(\frac{1}{4}, \frac{3}{8})$ , or $(\frac{1}{2}, \frac{3}{4})$ 3.00
emi a -

The No. 6 "Beaverette" is the only die stock threading ½ to ¾-inch without changing dies. The two sets of dies covering the two thread pitches are operated by a single cam. Uses wide (non-receding) dies and has cam centering device. It is complete within itself—no loose parts. A feature highly appreciated by users.



A-2535



A-2540



A-2545

## "BEAVER" ADJUSTABLE DIE STOCKS

A-2535	No. 25 complete, 1 to 2-inch. List, each\$30.00
A-2535	Extra dies, right hand. List, each
	Shipping weight, boxed, 25 pounds.
A-2540	No. 26 complete, 1 to 2-inch. List, each
A-2540	Extra dies, right hand. List, each
	Shipping weight, boxed, 30 pounds.
A-2545	No. 41 complete, $2\frac{1}{2}$ to 4-inch, uses one set of dies
A-2545	Extra dies, per set (5 chasers)
	Shipping weight, boxed, 115 pounds.

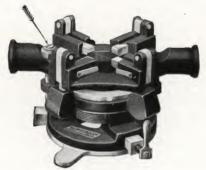






KEYSTONE DIE STOC

NYE DIE STOCK	KEYSTONE DIE STOCK
A-2550 No. 1 "Nye" Adjustable Die Sto	ck for threading pipe from 1/8
to 1-inch. List, each	
A-2550 No. 2 "Nye" Adjustable Die Sto	ck for threading pipe from 1/2
to 2-inch. List, each	
A-2555 No. 1 "Keystone" Adjustable I	Die Stock for threading pipe
from ½ to 1-inch. List, each	
A-2555 No. 2 "Keystone" Adjustable I	Die Stock for threading pipe
from 1 to 2-inch. List, each	
Note: On the above stocks, the die	plate cannot become loose while the
tool is in operation, and as the bushings	are adjustable, by the use of these
stocks, the necessity of carrying separate	bushings is avoided.



A-2560

#### NYE NO. 45 ADJUSTABLE DIE STOCK

The No. 45 "Nye" Adjustable Die Stock can be instantly adjusted to thread over or under size. This die stock is equipped with four sets of narrow chasers which recede to the work. The wing nut and set screw indicated by the arrow on the above cut absolutely controls the adjustment of this stock and enables the operator to cut either over or under the size desired. A monkey wrench and a screw driver are required to change the adjustment, and when once set, will stay at any standard until changed again. The stock is equipped with a universal adjustable bushing, so that no separate bushings are required.

With this stock, one man can thread 2-inch steel or iron pipe without great labor.



A-2565

## STOCKS AND DIES

Number	1	1½	2
Dies furnished with each stock, inches.	½ to 1	3/4 to 11/2	1 to 2
Stock and dies, each	\$15 00	\$13.50	\$20.00
Stock without dies, each	$\frac{5.00}{.60}$	6.00	9.50
Extra screws, each	30	.30	.30
Extra guides, each	35	.45	.60
Extra handles, per pair.	1.25	1.50	2.00



A-2570



A-2575

## Q. & E. DIES

## NYE SKIP TOOTH DIES

Size	. 1	1½	2
A-2570 right or left hand dies, each	\$2.00	\$2.50	\$3.50
A-2575, ¼-inch dies for No. 1 stock.	1		\$2.50
1 2010, A-mon Stock for Ivo. I Stock			2.50
X-2010, 79-men thes for NO. I stock			3.00
4-2010, %-men dies for No. 1 stock			3.00
1-2010, 1 -men dies for No. 1 stock			3.50
1-2010, %-High dies for No. 2 stock			4.00
1-2010, 1 -Inch dies for No. 2 stock.			$\frac{4.50}{4.50}$
1-4979, 1-4-inch dies for No. 2 stock			$\frac{4.50}{4.50}$
4-2010, 1-72-lifen dies for No. 2 stock			5.00
A-2575, 2 -inch dies for No. 2 stock.			5.00





A-2590



# BEAVER PIPE CUTTER Price List

Number	Cuts Pipe, Inches	List Price	A-2580 Ex	tra Knives
			Per Set, New	Regrinding
1	1/8 to 1	\$18.00	\$1.20	\$0.30
10	$\frac{1}{2}$ to 2 $2\frac{1}{2}$ to 4	20.00 90.00	$\frac{1.50}{2.50}$	. 40 . 70

## NYE PIPE CUTTER

The Nye
Pipe Cutter is
equipped with
knurled cutter
wheels as
shown, A-2600.
No. 1 cuts 1/4-inch
pipe. Price,
each ...\$3.00
No. 2 cuts 1/2
to 2-inch
pipe. Price,
each ...\$4.50

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	A	
The second		0

A-2595 Barnes Pipe Cutter	A-2597 Trimo Pipe	A-2599 Saunders Pipe Cutter				
A-2595—Number		1	2	3	4	5
Cuts pipe from, inches Price, each. Extra cutter wheels, each. Extra wheel pins, each. Extra handles, each.		1/8 to 1 \$4.50 .25 .10 1.00	1/2 to 2 \$6.00 .30 .10 1.25	1½ to 3 \$10.00 .40 .10 2.25	2½ to 4 \$20.00 .50 .20 4.50	4 to 6 \$30.00 .75 .20 7.00
A-2597—Number				1	2	3
Cuts pipe from, inches				\$4.50 .30	1/2 to 2 \$6.00 .30	1¼ to 3 \$10.00 .40
A OFOO NI I			1	1 0	1 0	1

A-2599—Number	1	2	3	4
Cuts pipe from, inches	½ to 1	1 to 2	2 to 3	
Price complete, each	\$3.00	\$4.50	\$11.00	\$18.00
Price extra wheels, each	.24	. 32	.60	. 60
Price extra rollers, each	. 24	.32	. 50	.50
Price extra pins, each	. 10	. 10	. 15	.15
Price extra blocks and wheels, each	1.25	1.75	2.75	3.50



Style of cutter	r Barnes		Saunders		Nye		"Trimo"	
Number	1	2	1	2	1	2	1	2
Price, each	\$0.50	\$0.60	\$0.50	\$0.60	\$0.70	\$0.80	\$0.60	\$0.60



Stillson Wrench, Wood Handle



A-2610 Trimo Wrench, Wood Handle



A-2607 Stillson Wrench, Steel Handle A-2605 AND A-2607 STILLSON WRENCHES



A-2612 Trimo Wrench, Steel Handle

					***			
Length, open, inches	6	8	10	14	18	24	36	48
For sizes pipe, inches	1/8 to 1/2	1/8 to 3/4	1/8 to 1	1/4 to 11/2	1/4 to 2	1/4 to 21/2	1/4 to 31/2	
Price, each	\$2.00	\$2.00	\$2.25	\$3.00	\$4.00	\$6.00	\$12.00	\$18.00
Extra frames, each	.35	.35	.40	. 50	. 55	.80	1.30	1.50
Extra nuts, each	. 15	.15	.20	.20	.22	.35	.55	. 95
Extra jaws, each	.75	.75	.80	1.00	1.33	2.10	4.75	7.25

#### A-2610 AND A-2612 TRIMO WRENCHES

Length, open, inches	6	8	10	14	18	24	36	48
Taking from	1/8 in. Wire to 1/2 in. Pipe	1/8 in. Wire to 3/4 in. Pipe	1/8 in. Wire to 1 in. Pipe	Wire to 1½ in. Pipe	1/4 in. Wire to 2 in. Pipe	$\begin{array}{c} \hline \begin{array}{c} 1_4 \text{ in.} \\ \text{Wire to} \\ 21_2 \text{ in.} \\ \text{Pipe} \end{array}$	1/2 in. Pipe to 3 1/2 in. Pipe	1 in. Pipe to 5 in. Pipe
Price, each	\$2.00	\$2.00	\$2.25	\$3.00	\$4.00	\$6.00	\$12.00	\$18.00
Movable jaw, each Nut, each Insert jaw, each Frame, each Springs, each Frame pins, each Jaw pins, each	\$0.75 .11 .35 .35 .03 .03	\$0.75 .11 .35 .35 .03 .03	\$0.80 .14 .45 .40 .03 .04	\$1.00 .17 .55 .50 .03 .04	\$1.33 .22 .65 .55 .04 .04	\$2.10 .35 .75 .80 .04 .04	\$4.75 .55 1.05 1.30 .04 .05	\$7.25 .95 1.35 1.50 .04 .05

Both Stillson and Trimo Wrenches will be furnished in 6, 8 and 10-inch sizes with wood Larger sizes with steel handles.



A-2615 Buzzell Pattern Basin Wrench



Length, 10 inches. This wrench can be used in closer quarters than any other wrench of its kind. Price, each.....\$1.25 Extra jaws .50
Extra screws .20 Extra nuts .....



## A-2617

## A-2617 COCHRAN PIPE WRENCH

Size, inches	10	14	18	24	36	48
Suitable for sizes of pipe, inches Price, each	1/8 to 1	1/4 to 11/2 \$3.00	1/4 to 2 \$4 00	1/4 to 21/2	1/2 to 31/2 \$12.00	1 to 5
Jaws, each	.75	1.00	1.33	2.00	4.00	6.00
Inserted jaws, each		$\begin{bmatrix} .50 \\ 35 \end{bmatrix}$	$.55 \\ .42$	. 65	1.00	$\frac{1.25}{80}$





A-2618 Parmelee Brass Pipe Wrench

A-2619 Warnock Brass Pipe Wrench

		peener		VV a	illiock blass ripe wrench
Size Number of Set	Price per Set Complete	For Sizes of Pipe, Inches	Length of Handle, Inches	Extra Handles, Price Each	Extra Girths Price for Each Size
No. 1 No. 2	\$ 5.00 7.50	3/8 to 1 1_to 2	10 20	\$2.25 3.00	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$
No. 3 No. 4	$9.50 \\ 13.00$	2 to 3 3 and 4	25	$\frac{5.00}{7.50}$	$ \begin{vmatrix} 1\frac{1}{2}, 2 & & & 1.25 \\ 2, 2\frac{1}{2}, 3 & & & 1.50 \\ 3 & & & & 2.50 \end{vmatrix} $
		1	4		4 3.00

## A-2619 WARNOCK BRASS PIPE WRENCHES

Size, Inches	For Pipe, Inches	Complete	Extra Straps
12	½ to 2	\$1.50	\$0.25
18	1 to 5	2.50	.50



## A-2620 REED BRASS PIPE WRENCH

Size, Inches	For Pipe, Inches	Complete	Extra Straps
12	½ to 2	\$1.50	\$0.25
18	1 to 5	2.50	.50





## **VULCAN CHAIN WRENCHES**

	SIZE	LS AND	LIST PR	ICES			
Number	30	31	32	33	33½	34	35
Capacity:				_			
Size pipe	1/8 to 3/4	1/2 to 11/2	1/4 to 21/2	3/4 to 4	1 to 6	1½ to 8	2 to 12
Extreme length	133/4	20	27	37	441/2	501/2	641/2
Weight, pounds	134	53/4	10	-16	24	31	50
Flat Link Chain:		-/*		10		01	00
Length	91/2	131/2	171/2	221/2	31	39	541/2
Breaking strain, pounds	3,600	6,700	9,800	12,500	14,300	15,700	21,600
Cable Chain:	,		-,	,000	11,000	10,.00	=1,000
Length	93/4	141/2	18	27	331/2	42	57
Size iron	3/16	$9/3\tilde{2}$	11/32	7/16	15/32	23/64	37/64
Breaking strain, pounds	1,200	4,000	6,000	10,500	12,500	15,000	19,000
Price:		,		,	12,000	10,000	10,000
Complete wrench	\$2.50	\$3.50	\$5.00	\$7.00	\$9.00	\$11.00	\$18,00
Extra chain	.75	1.00	1.50	2.50	3.25	4.00	6.00
Extra jaws, pair	1.00	1.75	2.75	4.00	4.75	5.50	7.50
Extra nuts and studs for							
jaws, per set	.20	.25	.35	.45	.55	.70	.90

A-2622 Flat Link Chain or A-2623 Cable Chain Tongs will be furnished at same price. Be careful to specify when ordering.



A-2625 Brown's Adjustable Pipe Tongs



A-2626 Common Pipe Tongs

## PRICE LIST A-2625 BROWN'S ADJUSTABLE PIPE TONGS

Number	1	1½	2	3	4	5
Takes pipe, inches	1/8 to 3/4	3/8 to 1	1/2 to 11/4	1 to 2	1½ to 3	2½ to 4
	\$0.60	\$0.75	\$0.85	\$1.20	\$2.70	\$6.00

#### PRICE LIST A-2626 COMMON PIPE TONGS

For size pipe, inches.	3/4	i	11/4	1½	2	2½
Price each	\$2.60	\$3.00	\$3.60	\$4.50	\$5.65	\$7.00



A-2627 Gas Pliers



A-2628 Combination Pliers

Size, inches	7	8	9	10	12	14
A-2627, price per dozen	\$7.40	\$8.25	\$9.25	\$10.70	\$13.00	\$17.00

A-2628 combination pliers, nickel plated, 6-inch, price each. \$1.25



A-2630 Union Valve Nipple Wrench



A-2632 Flange Wrench



A-2633 No. 1 Nye Bench Pipe Vise

A-2630 Wrench is the only proper tool for attaching radiator union valves without mashing the nipple. List, each.....\$ 1.50

A-2632 Flange Wrench for screwing on flanges 6 inches and smaller. This wrench has a ratchet with reversible pawl, so that it operates in either direction. List, each... 16.00

A-2633 No. 1 Nye Vise holds pipe from 1/8 to 2-inch inclusive. List, each...... 4.00

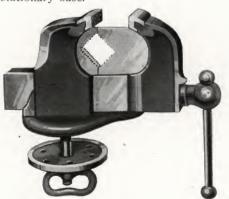




A-2635 Parker Combination Pipe Vise

Number	87	88	288,1/2	$289\frac{1}{2}$	881/2	89½
Holds pipe to (and under) inches	2	3	4	6	4	6
Width of jaws, ins.	35/8	41/8	43/4	53/8	43/4	
Wt., lbs List price	$\begin{array}{c} 41 \\ 16.00 \end{array}$	$\begin{array}{c} 59 \\ 20.00 \end{array}$	$\begin{vmatrix} 105 \\ 28.00 \end{vmatrix}$	$\begin{vmatrix} 155 \\ 35.00 \end{vmatrix}$		$\begin{vmatrix} 141 \\ 35.00 \end{vmatrix}$

Note: All numbers except  $88\frac{1}{2}$  and  $89\frac{1}{2}$  are swivel base. Nos.  $88\frac{1}{2}$  and  $89\frac{1}{2}$  are stationary base.



A-2638 Smith Pattern Combination Vise

Number	1	2	3
Weight in pounds Takes pipe, size, in List price, complete,	47 ½ to 2	70 ½ to 3	100 ½ to 4
each	\$16.00	\$20.00	\$28.00



A-2637 "Vulcan" Chain Pipe Vise

	Prices, Vises and Extra P							
No.	For Pipe, Sizes	Vise, Com- plete	Jaws	Chain with Screw	Screw	Han- dle & Nut	Nut	Wash- er
$\frac{1}{2}$	1/8 to 2 1/4 to 4 3/4 to 8	3.50 6.50	$\frac{1.20}{2.75}$	1.10	.20	.75 1.50		
$\overline{4}$	3/4 to 8	18.00	7.50	4.75	.70	2.00		



A-2640 Bench Vise

A2640	Bench	Vise,	with	5-	inc	h jaws.
Holds	s pipe	from	1/8	to	4	inches.

Pric	e, eac	h					 			.\$20.00
Extra	jaws,	per	pa	ir.			 			. 1.75
Extra	screw	s, ea	ich			 	 			50



**A-2642** (Open)



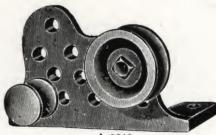
A-2642 (Shut)



A-2645

## MALLEABLE IRON PIPE VISES

Number	1	2	3
Holds pipe from	½ to 2 inches	1/8 to 3 inches	1/8 to 41/2 inches
Price, complete	\$10.00	\$14.00	\$25.00
Extra Jaws, per set of three	1.50	2.00	6.00
Extra yoke	1.50	2.00	5.00
Extra screw	. 25	. 50	.75
Extra slide	. 15	.20	.30
Extra handle	.20	.25	.30
Extra hook	.15	.20	.30



A-2646

## "REX" PIPE BENDER

The "Rex" Pipe Bender is made in two sizes:

Size No. 1 for bending ½ to 1½-inch pipe. List, each...\$10.00 Size No. 2 for bending 1½ to 2-inch pipe. List, each.... 14.00



Specimens of pipe bending accomplished by aid of "Rex" Pipe Bender.



#### MUELLER PIPE END REAMERS

A-2649 Plain pattern Mueller Pipe End Reamer, for reaming pipe from 3/8 to 3-inch. Price, each\$	5.00
A-2650 Ratchet pattern Mueller Pipe End Reamer, for reaming pipe from 3/8 to 3-inch. Price, each	7.50
A-2651 Mueller Bit Brace pattern Pipe End Reamers, for reaming pipe from 3/8 to 11/4-inch. Price, each	2.25
A-2651 Extra blades, per set of three	1.20
A-2651 Extra rivets, per set of three	.05



A-2655 Bit Brace Taper Reamer



A-2656 Pipe Reamer



A-2660 Pipe Taps

## PRICE LIST A-2655 TAPER REAMERS

Reamer No.	Reams Pipe, Inches	Price Each
1 -	½ to ½	\$3.50 4.20
$\frac{2}{2}$	1/4 to 3/4	
3	% to 1 3% to 11/	$\frac{5.40}{6.60}$
5	½ to 1½	7.80
6	½ to 2	9.60

## PRICE LIST A-2656 AND A-2660 PIPE REAMERS AND TAPS

For pipe size ..... ½8 ½ ¾8 ½ ¾ 1 1½ 1½ 2 2½ 3 3½ 4
Price, ea..\$1.12 \$1.25 \$1.50 \$1.87 \$2.50 \$3.12 \$3.75 \$4.62 \$6.25 \$10.50 \$15.00 \$22.00 \$33.00





#### A-2665

Yarning Chisel, each.....\$0.60



#### A-2668

Caulking Chisel, each.....\$0.30 Stub Caulking Chisel, each........30



#### A-2670

#### Plumbers' Rasps

 Inches
 10
 12
 14

 Per dozen
 \$13.70
 \$18.70
 \$24.80



#### A-2672

#### Plumbers' Files

 Inches
 10
 12
 14

 Flat, per dozen
 \$ 7.00
 \$ 9.70
 \$ 13.30

 Half round, dozen
 9.10
 11.80
 15.50



#### A-2673

Each ......\$0.90



#### A-2675

## Hack Saw Frame

Frame only, each.....\$1.00



#### A-2676

#### Hack Saw Blades

8-in.,32 teeth per inch, per dozen....\$0.70 10-in., 32 teeth per inch, per dozen.......85 12-in., 32 teeth per inch, per dozen..... 1.00



#### A-2678

#### Floor Chisel

3-inch, each .\$1.30 4-inch, each .1.75



#### A-2679

#### Wood Chisel

1-inch, each ......\$0.45



#### A-2680

#### Wood Gouges

1-inch, per dozen.....\$4.00



#### A-2681

#### Cold Chisels



#### A-2682

#### Diamond Nose Chisel

Each .....\$0.40



#### A-2684

#### Compass Saw

Each .....\$0.70



#### A-2685

#### Plumbers' Saws

Each .....\$1.20



A-2688

Copper Wire Per pound .....\$0.60



A-2690

Pointed Copper Bolts

2 to 6 pounds per pair. Per lb. .....\$0.50



A-2693

Shave Hook

Price, each .....\$0.30



A-2695 Tap Borer Price, ea..\$0.40



A-2696 Tap Borer Price, ea..\$0.30



A-2698 Wiping Cloths

Price, per dozen

Dry

3.30 3.50



A-2700 Malleable Iron

Oiler Prepared No. 1, each...\$0.30 for use No. 2, each... 32 \$2.50 No. 3, each... 40 2.75



A-2701

Rose Washer Cutter

3.5		_				Each
No.	00	Cuts	3/4	to	2-in	\$1.50
140.	U	Cuts	3/0	to	2-in	1 15
NO.	1	Cuts	5/8	to	4½-in.	3.75



A-2703

Ticking

Moleskin

2½x2½ and 3x3...\$1.90 3½x3½ .... 2.10

Skinner Bibb Reseater

Equipped with three cutters for 3/8, 1/2, 5/8 and 3/4 in.



A-2705

Plumbers' Tool Bags

Plain cloth. Price, each..\$3.75 Leather bottom. Price each ..... 5.00 Price, each ......\$2.50 Leather bottom and sides. Price, each... 6.00



A-2707



A-2709

#### PLUMBERS' GASOLINE FIRE POTS

A-2707 No. 60 Fire Pot. Has extra strong seamless drawn steel gasoline tank fitted with the best bulb pump obtainable. Price with one shield, each.....\$3.75

A-2709 No. 61 Fire Pot. Has all the strong features of the No. 60 pot and in addition is fitted with patented automatic brass pump. Price, each....... 4.00

BRASS PUMP.	UPRIGHT.	CONNECTING PIPE.	WIRE FOR COIL.	BURNER	BULB.	HANDLE.
EACH 50 \$ BY MAIL 60\$	EACH.08 # BY MAIL.10 #	EACH.08¢ BY MAIL 10¢	EACH.05¢ BY MAIL.06¢	EACH.10¢ BY MAIL.11¢	EACH.35 ¢ BY MAIL.40¢	EACH BY MAIL.35¢
VALVE.	NUTS.	PLUG.	TEE.	ELL.	FILLER PLUG.	HANDLE EAR.
EACH.45 ¢ BY MAIL.53 ¢	EACH.02 \$ BY MAIL.03 \$	EACH.06¢ BY MAIL.07¢	EACH.06 \$ BY MAIL.07\$	EACH.06¢ BY MAIL.07¢	EACH.15¢ BY MAIL.20¢	EACH.08 ¢ BY MAIL.09 \$
AIR VALVE.	EACH.40 \$	RESERVOIR.  EACH 1.80 BY EXPRESS 2.30	NO.10=2 SHIELD.  EACH.504 BY EXPRESS.65	No.3 SHIELD.  EACH 1.00 BY EXPRESS 145	COIL CUP.	TOP PLATE.  EACH.20¢ BY MAIL.30¢



A-2711

## PLUMBERS' LADLES

Size, inches .......2½ 3 3½ 4 5 6 Price, each ......\$0.25 .25 .30 .35 .55 .70



A-2713 SOLDER POTS

5-inch size. Price, each..\$0.30 6-inch size. Price, each.. .40

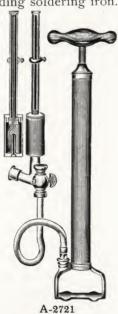






## **TORCHES**

A-2715	No. 5	Quart size Torch with pump in handle. Each	\$2.75
		Quart size Torch with pump in handle and with	
hole	ding so	dering iron. Each	3.00
A-2719	No. 2	Pint size Torch with pump in handle and wit	th hook for
hole	ling so	dering iron. Each	3.50





Proving Pumps, with mercury
gauge, complete\$25.00
Proving Pumps and hose only 15.00
Mercury gauge complete, includ-
ing valve and ether cup 10.00
Proving Pump only



A-2723

## THAWING STEAMER

The above Steamer is made of heavy copper and is made to go into a plumber's blast furnace. It carries enough water to raise steam for continual use for about two hours.

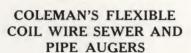
Price	of	Stea	ame	r						\$5.00
Hose,	ex	tra,	per	foot.						.10



#### A-2725

#### CATCH BASIN DIPPER

Galvanized. Each .....\$3.50



With this wire augur you can remove the obstruction or stoppage from all sizes of drain pipes or sewers. It is flexible and will turn a bend or go through a trap. It is made of the best oil tempered spring steel wire in different sizes for different sized pipes or sewers. The ¾-inch size is made in 10-foot sections and joined together with threaded brass bushings and steel studs which are locked together. You can use 10 feet and detach the handle and add on 10 feet more or as many sections as necessary to reach the obstruction. The corkscrew and cone wire on end will screw into the obstruction and you can draw it back to the opening.

The 3% and ½-inch sizes are made in 15, 25 and 50-foot lengths with corkscrews and handle. Any other sizes or lengths made to order.

#### Price

3%-in., 15, 25 and 50-ft. lengths of 14 gauge wire, per ft.....30c ½-in., 15, 25 and 50-ft. lengths of 12 gauge wire, per ft....35c 3¼-in., 10, 25 and 50-ft. lengths of 10 gauge wire, per ft....45c Add 10c per foot for special sizes or lengths.

A-2729



## A-2727

#### SEWER RODS

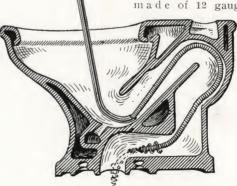
25-ft.	length,	11/4-in.	Rod.	Each\$	4.00
50-ft.	length,	11/4-in.	Rod.	Each	6.00
75-ft.	length,	11/4-in.	Rod.	Each	8.75
100-ft.	length,	11/4-in.	Rod.	Each	10.75
75-ft.	length.	1½-in.	Rod.	Each	10.75

#### COLEMAN'S FLEXIBLE COIL WIRE CLOSET CLEANER

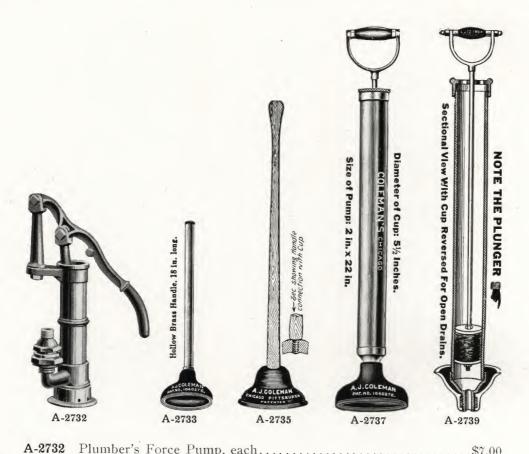
A sanitary device for instantly and thoroughly cleaning and removing obstructions from water closets, drain pipes, etc.

pipes, etc.
The coil goes through any closet or pipe. Turning the handle to the right the obstruction is caught and brought back to the opening.

It is simple in construction. The coil is ½-inch. Made of the best 12 gauge spring steel. The augur screws are made of 12 gauge



A-2731



11-21-22 Franker's Porce Fump, each
A-2733 Improved Suction and Force Cup with a special high grade red rubber cup, having brass internal threads vulcanized into neck of cup and attached to hollow brass handle with top end sealed. Length of handle, 18 inches. Diameter of cup, 5½ inches. Price
A-2735 Coleman's Improved Suction and Force Cups.  5½-inch red rubber cup and painted wood handle, each. \$1.25  5½-inch black rubber cup and plain wood handle, each. 1.00  4-inch red rubber cup and painted wood handle, each90  4-inch Black Rubber cup and plain wood handle, each60
A-2737 and A-2739 Coleman's Improved Suction and Force Pump with a suction of 50 lbs. and a force of 100 lbs. Diameter, 2 inches.  Length, 22 inches. Price, each. 8.00  Extra cups, each. 1.00



A-2741 A-2741 Coleman Junior Force Cup Cups have corrugated base and are ribbed

both in and out. Handles are connected to cups with socket.

4½-in., black, with handles, per doz...\$6.00

4½in., red, with handles, per doz.... 9.00

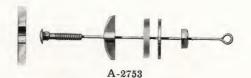


A-2745
Plumbers' Force Cup
Price, each....\$0.50



A-2748 Rubber Force Cup No. 1, 3 in. diameter.....\$0.50 No. 2, 31/4 inches diameter ..... .75 No. 3, 4½ inches diameter . . . . 1.00



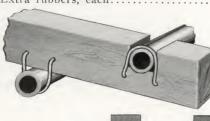


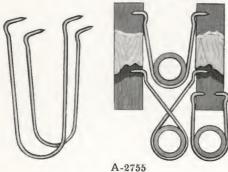
Trester Boiler Repair Couplings

Price, per doz.....\$1,20

	A-2750	Soil	Pipe	Testing	Plugs
A-2750	Size.	inches			

Extra rubbers, each.... .25 .50 .70 .90 1.20 2.00





## A-2755 REZNOR PIPE HOOKS

Price, per 1,000.

Length of hooks, ins.. 3 4 For 3/8" pipe.\$5.10 \$5.60 \$6.30 \$7.00 ..... For ½" pipe. 5.40 6.10 6.80 7.70 \$8.60 \$9.60 For 3/4" pipe. .... 6.60 7.30 8.40 9.50 10.90 For 1" pipe.. .... 7.50 8.80 10.00 11.10 12.30 For 1¼" pipe .... 9.60 11.00 12.60 14.00 15.40 For 1½" pipe .... 12.00 13.60 15.00 16.60 For 2" pipe.. .... 12.40 14.00 15.40 17.00



## AUTOMATIC WATER SOFTENER AND SCALE REMOVING DEVICE

A-2760 will prevent the accumulation of lime, magnesia and other incrusting substances in water backs, coils, ranges, boilers, furnaces, and tank, laundry or automatic heaters, and furnish soft water. Water is not affected for use for domestic purposes.

TOT GLO TOT GOTTE FILE	
No. 5 for 3/4-inch iron pipe, each	\$12.00
No. 6 for 1-inch iron pipe, each	15.00
No. 6 for 1 <sup>1</sup> / <sub>4</sub> -inch iron pipe, each	
No. 6 for 1½-inch iron pipe, each	20.00
No. 6 for 2-inch iron pipe, each	23.00
No. 5 Kompos "T" Bricks, each	.25
No. 6 Kompos "T" Bricks, each	.35



## ACME FLOOR DRAIN WITH AUTOMATIC BACK WATER VALVE



## ACME FLOOR DRAIN

These floor drains are specially designed for use in cellars where the sewer cannot be put down deep in the ground. Outlet of trap is only 2 inches below top of receiver.

DCIOW CC	op of receiver.		
Size of o	outlets, inches 2	3	4
A-2763	Diameter of top, inches 9	10	3 12
A-2765	Diameter of top, inches 8	9	12
A-2763	Iron top and strainer, each\$ 7.00	\$ 9.00	\$12.00
A-2763	N. P. brass top and strainer, each 15.00	18.00	23.00
A-2765	Iron top and strainer, each 2.00	4.00	6.00
A-2765	Brass top and strainer, each	10.00	14.00
A-2765	N. P. brass top and strainer, each 9.00	12.00	17.00





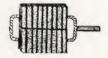


A-2770 Engineers' Favorite



A-2771					
Steel	Wire	Tube	Cleaner		

Size, in	ches	11/4	$1\frac{1}{2}$	13/4	2	21/4	21/2	23/4	3	31/2	4
A-2770	Each			\$2.00	\$2.00	\$2.25	\$2.50	\$2.75	\$3.00	\$3.50	\$4.00
A-2771	Each	\$2.00	\$2.00	2.00	2.00	2.25	2.50		3.00	3.50	4.00



A-2772



A -9774



A-2776

Each	Each	Each	Each
Size, 13/4 x4 1/2 x4 in. long. \$1.00	Size, 13/4x41/2x6 in. long.\$1.50	1 x3\$0.75	2 x4\$1.05
	Size, 2 x4½x6 in. long. 2.00		
Size, 21/2 x6x41/2 in. long. 1.75	Size, 2½x6 x6 in. long. 2.50	$1\frac{3}{4}$ x390	3 x4 1.25
	Size, 23/4x6 x6 in. long. 3.00		



A-2778

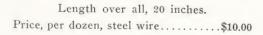


A-2780

Each	Each	Each
4 x4\$1.30	$2\frac{1}{2}x2\frac{1}{2}$1.00$	wide, 5 in. long, 2½ in. thick\$2.00
$4\frac{1}{2}x4\frac{1}{2}\dots 1.40$	3 x3 1.10	wide, 7 in. long, 2½ in. thick 3.00
5 x5 1.50	$3\frac{1}{2}x3\frac{1}{2}1.20$	



A-2782





A-2784

Length over all, 24 inches.

Price, per dozen, fibre.....\$10.00



Steel Toggle Bolts

Price 100 eac	per h.	100.	Pu	t up i	n box	ces of
Length, Inches	8/16	34	5/16	3/8	7/16	1/2
$\frac{11/_{2}}{}$	3.65					



A-2788 One-Part Screw Anchors

Length of Shield	Number of Screw	Price per 100
5% inch 34 inch	5- 6-7-8	\$4.40
1 -inch	9-10-11 9-10-11	$\frac{5.00}{5.00}$
1 -inch 1½-inch	12-13-14 12-13-14	$\frac{5.60}{6.75}$
1½-inch 2 -inch 2 -inch	15-16-17-18 15-16-17-18	$7.50 \\ 8.75$
2 -inch	20-22-24	9.50



A-2790 Screw Anchors Complete

With Screws With Bright Iron Oval Heads or Flat Heads

Add 20 per cent to the following lists for nickel plated heads.

Price	per	1	00

	Length						
No. of Screw	3/4	1	11/2	2	21/2		
5-6-7-8 9-10-11 12-13-14 15-16-17-18	$5.25 \\ 5.90$		$\frac{5.35}{6.05}$	$\frac{5.40}{6.10}$	7.30		



Sani-Flush



A-2800 Newfect



A-2805 "Blue Seal" Drain Pipe Solvent

Sani-Flush and Newfect are odorless dry powders for cleaning vitreous china closet bowls and lavatories. Newfect is suitable for cleaning enameled iron lavatories, closets and sinks without injury to the ware

tories, c	losets and sinks without injury to the ware.	
A-2795	Sani-Flush, per dozen cans	\$3.00
A-2800	Newfect, per dozen cans	3.00
A 000F	D1. C 1 Daris Disa Calassat is seed to 1	4 . 1

A-2805 Blue Seal Drain Pipe Solvent is used to clear stoppages in drains, bath tubs, kitchen sinks, laundry tubs, urinals, water closets, stables, floor drains and grease traps, and for thawing frozen drain pipes.

Blue Seal is the strongest solvent on the market and is guaranteed to be absolutely harmless to plumbing fixtures. Price, per can......\$1.00



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Nason       277         Palmer       219         Shower Stall       62, 63         Traps, Standard Steam       277         Trester Boiler Repair Couplings       341         Triumph Back Water Valves       220         Tubing, Brass       157         U       Union Ells       270, 282         Unions       270         Unique Radiator Valves       282         Urinals, Enameled Trough       130, 131         Marble Stalls       126         Porcelain Stalls       122 to 125	Wash Tray Plugs       165         Washers, Carriage and Auto       223         Waste, Cotton       252         Water Closets       95 to 110         Water Heaters, Economy       298, 299         Humphrey       300         Lawson       301 to 304         Water Motor Pumps       235         Water Pressure Regulators,       Mueller       227         Water Softeners       342         Water Strainers, Mueller       227         Well Points       238         Well Water Pumps       236, 237         Wicking, Asbestos       254





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